Forestry Canada Forêts Canada

Selected Forestry Statistics Canada 1988

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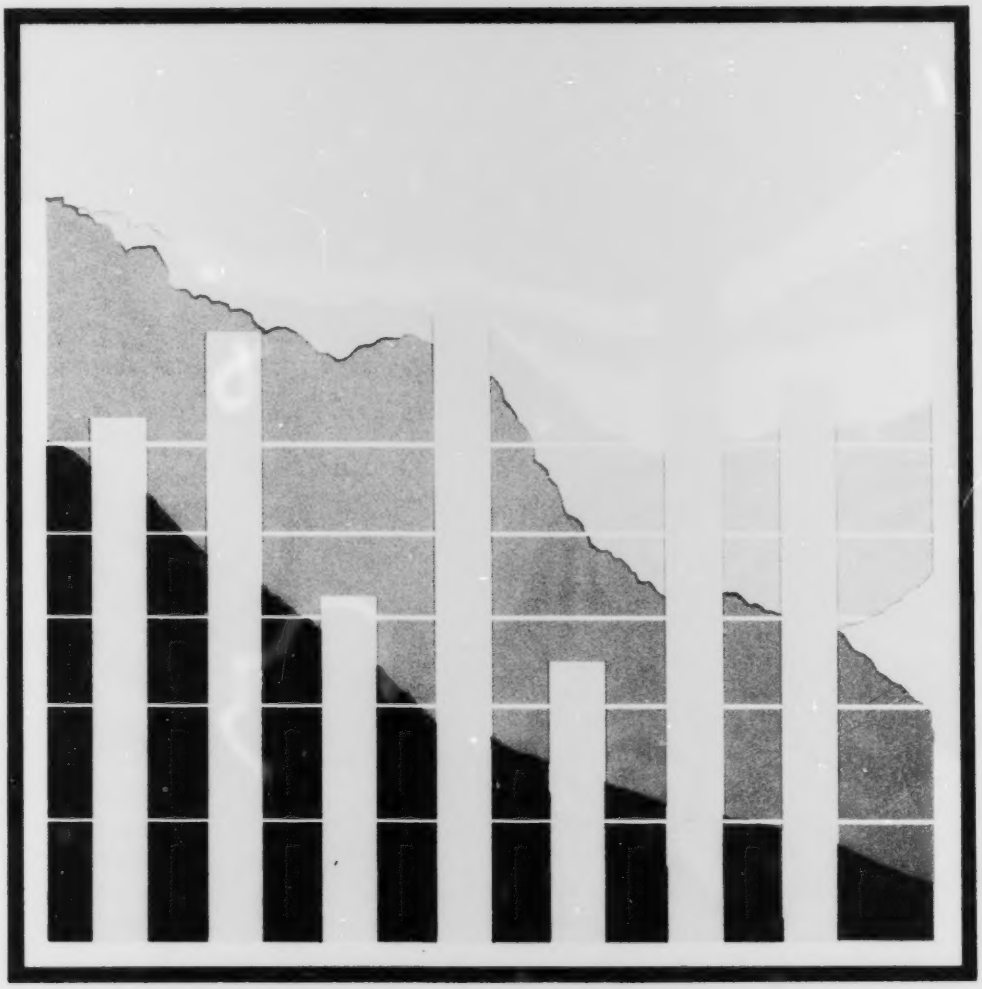
Economics Branch, Forestry Canada



FORSTATS

Canada

Forestry Canada

Forestry Canada is the main focus for forestry matters in the federal government. It provides national leadership through the development, coordination, and implementation of federal policies and programs to enhance long-term economic, social, and environmental benefits from the forest sector for Canadians.

Forestry Canada is a decentralized organization with six regional forestry centres, two national research institutes, and seven regional sub-offices located across Canada. Headquarters is located in the National Capital Region in Hull, Quebec.

In support of its mandate, Forestry Canada carries out the following activities:

- administers forest development agreements negotiated with the provinces
- undertakes and supports research, development, and technology transfer in forest management and utilization
- compiles, analyzes, and disseminates information about national and international forest resources and related matters
- monitors disease and insect pests in Canada's forests
- provides information, analyses, and policy advice on economics, industry, markets, and trade related to the forest sector
- promotes employment, education, and training opportunities in the forest sector
- promotes public awareness of all aspects of the forest sector.

Forestry Canada interacts regularly with provincial and territorial governments, industry, labor, universities, conservationists, and the public through such bodies as the Canadian Council of Forest Ministers, the Forest Sector Advisory Council, the Forestry Research Advisory Council of Canada, the Canadian Forest Inventory Committee, the Canadian Committee on Forest Fire Management, the Canadian Interagency Forest Fire Centre, and regional consultative committees. Forestry Canada is also active in international forestry agencies such as the International Union of Forest Research Organizations and the Food and Agriculture Organization, as well as in technical and trade missions.

FORSTATS

Forestry Canada Forest Resource Data (FORSTATS) Program is responsible for the compilation and interpretation of national data on the forest resource and on changes to it resulting from both natural and human activities. Major components of the FORSTATS Program include statistics on forest inventory, forest depletions, forest growth, regeneration, forest management activities, forest management expenditures, and forest industrial activity, which includes a broad range of economic indicators.

The six regional centres and two national institutes participate with the Headquarters of Forestry Canada in the FORSTATS Program. Provincial forest management agencies, other federal and provincial agencies, and forest industries cooperate by providing data to the program.

SELECTED FORESTRY STATISTICS
CANADA 1988

ECONOMICS AND STATISTICS DIRECTORATE
FORESTRY CANADA
GOVERNMENT OF CANADA

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Want To Know More?

Selected Forestry Statistics Canada 1988 is published by the Economics and Statistics Directorate of Forestry Canada. The material presented is drawn from statistics covering mainly the period 1970-1988 and are the most current data available as of June 1989. However, statistics by their very nature change quickly.

If you need to know more about these statistics, contact the Forestry Canada Office nearest you.

These publications are also available:

Forestry Facts, an easy-to-read "pocket-size" compendium of interesting and useful facts about the forestry sector in Canada. It shows Canada's place in the global context and a comprehensive national overview of Canada's forestry sector. It is packed with capsule statistics organized by industry segment and by province or territory. A snapshot overview is also presented in the brochure entitled, Canada's Forests.

Copies of these publications may be obtained at no charge from the following address:

Corporate and Public Affairs Directorate
Forestry Canada
351 St. Joseph Boulevard
Hull, Quebec
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A microfiche edition of this publication may be purchased from:

Micromedia Ltd.
Place du Portage
165 Hôtel-de-Ville
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Cette publication est disponible en français sous le titre Recueil de statistiques forestières canadiennes 1988.

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ABSTRACT

"Selected Forestry Statistics, Canada 1988" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Over 115 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from metric to imperial measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

Section I "Canadian forest resources and related management activities" and section VI "Selling price indexes and annual average prices" were modified to reflect the new data availability. A listing comparing table numbers used between 1985 and 1988 is available on page VI.

Information given at the beginning of the relevant sections highlights recent changes.

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RÉSUMÉ

Le Recueil de statistiques forestières canadiennes, 1988 porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 115 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures métriques en mesures impériales et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'Organisation des Nations Unies pour l'alimentation et l'agriculture.

La section I "Ressources forestières au Canada et activités connexes d'aménagement" et la section VI "Indices de prix de vente et prix annuels moyens" ont été modifiées afin d'incorporer des données nouvellement disponibles. Une liste comparant les numéros de tableaux utilisés entre 1985 et 1988 est disponible en page VI.

Les renseignements fournis au début des sections soulignent les changements survenus récemment.

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CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from metric measure to imperial.

Description	Metric measure	Conversion factor (multiply by)	Imperial (English) measure
Bolts	m^3	0.415 472	cord
Forest area	ha (0.01 km^2)	2.470 966	acre
Flooring	m^3	0.423 775	MBF (thousand board feet)
Logs	m^3	0.220 750	MBF (thousand board feet)
Logs, pulpwood	m^3	0.353 147	cunits (100 cubic feet)
Lumber	m^3	0.423 775	MBF (thousand board feet)
Newsprint and paper and paperboard	t	1.102 310	short ton
Newsprint and paper and paperboard	t	22.045 855	CWT (hundredweights)
Particleboard	m^3	680.272 108	sq ft 5/8 (square foot 5/8")
Plywood - softwoods	m^3	1 130.071 194	sq ft 3/8 (square foot 3/8")
- hardwoods	m^3	1 695.202 576	sq ft 1/4 (square foot 1/4")
Pulpwood - peeled	m^3	0.371 733	cord
- unpeeled	m^3	0.415 467	cord
- total	m^3	0.415 467	cord
Railway ties	m^3	26.315 789 x 0.423 775	number
Roundwood	m^3	35.314 724	cubic feet
Shingles and shakes	m^2	0.107 639	rfsq (roof squares)
Veneer - softwoods	m^3 to m^2 x 314.925	3 389.830 508	sq ft (square foot)
- hardwoods	m^3 to m^2 x 800.888	8 620.689 655	sq ft (square foot)
Wood chips	t	1.102 310	ton (short tons)
Wood pulp	t	22.045 855	CWTAD (hundredweights air dry)

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figures not available
-	nil or zero
--	amount too small to be expressed
p	preliminary figures
r	revised figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated
n.e.c.	not elsewhere classified

COMPARISON OF TABLE NUMBERS USED BETWEEN 1985 AND 1988

1988	1987/1986	1985
I-1	I-1	I-1
I-2	I-2	I-2
I-3	I-3	I-3
I-4	-	-
I-5	I-4	I-9
I-6	I-5	I-6
I-7	-	-
I-8	-	-
I-9	I-6	I-7
I-10	I-7	I-8
I-11	I-8	I-10
I-12	I-9	I-11
I-13	I-10	-
I-14	I-11	-
I-15	I-12	I-4,I-5
II-1	II-1	II-1
II-2	II-2	II-2
II-3	II-3	II-11
II-4	II-4	-
II-5	II-5	-
II-6	II-6	II-4
II-7	II-7	II-3
II-8	II-8	II-13
II-9	II-9	II-12
II-10	II-10	-
II-11	II-11	-
II-12	II-12	II-5
II-13	II-13	II-6
II-14	II-14	II-14
II-15	II-15	-
II-16	II-16	II-8
II-17	II-17	II-7
II-18	II-18	II-14
II-19	II-19	-
II-20	II-20	-
II-21	II-21	II-15
II-22	II-22	-
II-23	II-23	-
III-1	III-1	III-1
III-2	III-2	III-5
III-3	III-3	III-7
III-4	III-4	III-6
III-5	III-5	III-2
III-6	III-6	-
III-7	III-7	-
III-8	III-8	III-8
III-9	III-9	III-9
III-10	III-10	III-14
III-11	III-11	III-15
III-12	III-12	-
III-13	III-13	-
III-14	III-14	III-10
III-15	III-15	III-11
III-16	III-16	III-12
III-17	III-17	III-13
III-18	III-18	III-16
III-19	III-19	III-17
III-20	III-20	III-3
III-21	III-21	III-4
IV-1	IV-1	IV-1
IV-2	IV-2	IV-2
IV-3	IV-3	IV-3
IV-4	IV-4	IV-4
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IV-23	IV-23	IV-21
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IV-29	IV-29	IV-27
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V-1	V-1	V-1
V-2	V-2	-
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SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988

1. **Land area, 1986**	**921.5 million ha**	
Forest land	453.3	
Inventoried forest land	397.9	
Inventoried productive forest land	243.7	
Inventoried stocked productive nonreserved forest land	208.2	
Agricultural land	67.8	

	Inventoried	Inventoried productive	Inventoried stocked productive nonreserved
2. **Ownership of forest land, 1986**	397.9	243.7	208.2 million ha
Provincial Crown	70%	80%	81%
Federal Crown	24%	11%	10%
Others	6%	9%	9%
3. **Volume of wood**	..	23 921	23 154 million m^3

	1984	1985	1986e	1987e
4. **Silviculture**				
Area harvested	898 069	901 552	930 000	950 000 ha
Area of site preparation	253 099	300 974	410 000	490 000
Area planted	239 953	261 020	333 420	412 990
Area directly seeded	33 743	26 189	26 000	37 000
Area of stand tending	189 065	216 592	270 000	295 000
Area of pest control	1 516 909	1 452 735	..	..

		1985	1986	1987	1988	
5. **Fire**						
No. of fires		9 357	7 087	11 304	10 734	
Area burned	- total forest land	757 260	950 123	1 085 629	1 320 273	ha
	- productive forest land	132 805	311 270	306 580	..	ha
Fire control	- budgeted costs	$153 783	$108 811	$115 630	..	thousand
	- fighting costs	$136 140	$102 308	$155 321	..	thousand

6. **Forest insect and disease conditions, 1977-1981**	**107.4 million m^3**	
Average annual mortality volume	60.1	
Growth reduction	22.3	
Wood destruction	25.0	

	1982	1983	1984	1985	
7. **Forest management expenditures**	..	$1 247.8	..	$1 677.9	million
Provincial	820.0	783.9	882.9	1 063.0	
Federal	150.8	183.6	182.3	209.0	
Industry	..	280.3	..	405.9	
Silviculture	..	$ 335.9	..	$ 476.6	million
Forest protection	..	241.6	..	359.1	
Resource access	..	229.6	..	346.4	
Research	..	77.2	..	89.4	
Other	..	363.5	..	406.1	

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

8. Federal-provincial agreements, 1987-1988	**$247 857 thousand**				
Provincial	117 697				
Federal	130 160				
Site preparation and regeneration	125 193				
Other silviculture treatments	66 878				
Forest protection	1 022				
Research and forest extension	38 432				
Other activities	16 333				
	1984	1985	1986		
9. Roundwood production	**167.5**	**168.7**	**177.1**	**million m^3**	
Atlantic provinces	9%	8%	9%		
Quebec	22%	21%	21%		
Ontario	17%	17%	17%		
Prairie provinces	8%	8%	9%		
British Columbia	44%	46%	44%		
Species mix					
Softwoods	92%	92%	91%		
Hardwoods	8%	8%	9%		
	1985	1986	1987	1988	
10. Lumber production	**52.1**	**53.1**	**62.0**	**60.6**	**million m^3**
Atlantic provinces	3%	4%	4%	4.0%	
Quebec	19%	21%	20%	19.0%	
Ontario	10%	10%	9%	9.0%	
Prairie provinces	6%	7%	7%	7.0%	
British Columbia	62%	58%	60%	61.0%	
Species mix					
Softwoods	98%	98%	98%	98%	
Hardwoods	2%	2%	2%	2%	
	1985	1986	1987	1988	
11. Wood pulp production	**20.4**	**20.7**	**23.0**	**23.4**	**million t**
Quebec	31%	32%	31%	32%	
Ontario	20%	20%	19%	19%	
British Columbia	30%	29%	31%	30%	
All other provinces	19%	19%	19%	19%	
	1985	1986	1987	1988	
12. Basic paper and paperboard production	**14.4**	**15.2**	**16.1**	**16.6**	**million t**
Quebec	43%	43%	42%	43%	
Ontario	26%	26%	26%	25%	
British Columbia	17%	17%	17%	17%	
All other provinces	14%	14%	15%	15%	

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

	1985	1986	1987	1988	
13. Shipments					
Roundwood	100.5	103.1	..	..	million m^3
Lumber - total	52.5	52.7	..	..	million m^3
- softwoods	51.4	51.5	..	..	million m^3
Wood pulp	8.7	9.5	10.0	9.9	million t
Paper and paperboard - total	14.4	15.3	16.1	16.5	million t
- newsprint	9.0	9.3	9.8	9.9	million t

	1984	1985	1986	1987	
14. Exports of forest products	$ 15 734	$ 16 242	$ 17 938	$ 21 241	million
Lumber - total	4 257	4 595	4 980	5 859	
- softwoods	4 182	4 523	4 893	5 745	
Wood pulp	3 906	3 405	4 072	5 473	
Paper and paperboard - total	6 201	6 884	7 455	8 266	
- newsprint	4 784	5 412	5 661	6 029	
Other forest products	1 370	1 359	1 431	1 643	

	1984	1985	1986	1987	
15. Exports of forest products by region of lading/origin	$ 15 734	$ 16 242	$ 17 938	$ 21 241	million
Atlantic provinces	11%	10%	11%	11%	
Quebec	25%	26%	26%	23%	
Ontario	21%	21%	20%	18%	
Prairie provinces	4%	4%	4%	4%	
British Columbia	39%	39%	39%	44%	

	1984	1985	1986	1987	
16. Balance of trade, net flow	$+16 924	$+15 120	$+ 8 158	$+ 8 848	million
Forest products	+13 828	+14 271	+15 619	+18 671	
Farm products	+ 3 894	+ 2 476	+ 1 449	+ 1 849	
Fish products	+ 1 108	+ 1 355	+ 1 821	+ 2 079	
Energy	+10 383	+12 084	+ 7 568	+ 8 333	
Metals and minerals	+ 8 245	+ 7 006	+ 7 606	+ 7 475	
Chemicals and fertilizers - minerals	+ 1 163	+ 1 282	+ 1 062	+ 1 276	
Chemicals and fertilizers - non minerals	- 1 940	- 1 763	- 1 989	- 1 897	
Textiles	- 1 432	- 1 570	- 1 709	- 1 805	
Machinery	- 3 672	- 4 727	- 5 669	- 6 048	
Transportation and automotive products	+ 2 506	+ 958	+ 917	- 1 061	
Other products	-17 159	-15 023	-17 117	-18 400	

	1983	1984	1985	1986	
17. Employment in forest industries	262	267	268	274	thousand
Logging	46	48	46	46	
Wood industries	102	103	108	111	
Paper and allied industries	114	116	114	117	

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (concluded)

	1983	1984	1985	1986	
18. Value of shipments of goods	**$ 29 326**	**$ 32 809**	**$ 34 659**	**$ 38 276**	**million**
Logging	4 909	5 364	5 462	5 776	
Wood industries	9 406	9 973	11 122	12 433	
Paper and allied industries	15 011	17 472	18 075	20 067	

	1983	1984	1985	1986	
19. Value added, total activity	**$ 12 085**	**$ 13 734**	**$ 14 399**	**$ 16 737**	**million**
Logging	2 152	2 191	2 187	2 297	
Wood industries	3 993	4 051	4 688	5 523	
Paper and allied industries	5 940	7 492	7 524	8 917	

	1985	1986	1987p	
20. Corporate income taxes paid by the forest industries	**$ 300**	**$ 398**	**$ 666**	**million**
Federal income taxes	175	221	404	
Provincial income taxes	126	177	262	

	1986	1987	1988	1989	
21. Capital and repair expenditures	**$ 4 658**	**$ 5 952**	**$ 7 501**	**$ 9 397**	**million**
Logging industry	528	563	609	648	
Wood industries	861	1 240	1 568	1 393	
Paper and allied industries	3 269	4 149	5 324	7 356	
All Canadian industries	125 011	140 185	155 590	170 967	

	1985	1986	1987	1988	
22. Forest industries contribution to Canadian gross domestic products	**3.5%**	**3.5%**	**3.7%**	**3.6%**	
Canadian gross domestic product at factor cost	$430 936	$452 526	$491 651	$535 237	million

	1985	1986	1987	1988	
23. Revenue freight loaded on railways - total products	**238**	**237**	**249**	**258**	**million t**
Forest products share	15%	15%	15%	14%	

	Percent	Rank	Volume/value	
24. Canada's share in world forest economy, 1987				
Softwood growing stock	16%	2nd	17 834	million m^3
Industrial softwood roundwood production	15%	3rd	174 783	thousand m^3
Softwood lumber production	16%	3rd	61 011	thousand m^3
Wood pulp production	16%	2nd	22 645	thousand t
Newsprint production	32%	1st	9 673	thousand t
Value of exports of forest products	21%	1st	15 095	million US $

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

Forest Biomass Inventory: The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

Forest Fire: The Forest Fire Statistics are reported by the provincial and federal forest fire management agencies. Forestry Canada compiles annual statistics that primarily report the number of fires, their causes and the area of forest land that was burned.

Forest Insects and Diseases: The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of six regional FIDS units and the FIDS Technology Development Project. Activities are managed by the regional Forestry Canada establishments. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

Forest Inventory: Through the Canadian Forest Inventory Committee, Forestry Canada works in close cooperation with forest management agencies, to make recommendations on forest inventory procedures, and to acquire data for national area and volume summaries on topics such as ownership, status, productivity, site quality, stocking, disturbance, age, forest types and species group.

Forest Management Expenditures: The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and Forestry Canada. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Resource access are also included.

Forest Tree Production: The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

Silviculture: The practice of silviculture in Canada is a provincial responsibility for the majority of publicly owned forest lands in Canada. The federal role, coordinated by Forestry Canada, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements. Data for national summaries are collected using a questionnaire completed by provincial forestry personnel.

I - 1. AREA CLASSIFICATION BY CLASS AND PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
								1 000 000 ha							
A. Forest land															
Inventoried	22.48[a]	0.29	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.58	60.31	27.37	61.44	397.92
Productive	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
Reserved	0.07	-	0.10	0.03	0.20	0.35	1.47	0.73	1.07	2.45	4.25	2.02	0.07	0.58	8.93
Nonreserved	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
Stocked	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15
Fully	1.98	0.22	0.01	2.38	4.58	..	26.07	11.34	8.63	17.83	37.81	45.05	2.22	4.26	119.99
Partially	0.36	0.02	--	0.12	0.51	..	6.60	1.28	2.24	1.14	4.66	-	3.05	8.74	23.55
Unquantified	5.29	--	3.24	3.18	11.72	49.57	0.01	-	2.44	0.12	2.57	--	0.03	0.72	64.61
Nonstocked	0.71	0.01	0.16	0.02	0.89	2.53	4.01	1.54	1.48	0.73	3.75	3.95	0.96	0.02	16.09
Unproven stocking	2.76	0.02	0.34	0.37	3.49	2.30	0.08	0.03	0.03	1.65	1.71	0.09	1.23	--	8.90
Unclassified	--	-	-	-	--	0.05	0.05	-	-	1.53	1.53	-	-	-	1.63
Unproductive	11.30	0.02	0.19	0.24	11.75	27.70	8.32	10.20	7.80	11.82	29.82	9.19	19.63	44.35	150.76
Unspecified productivity	-	-	-	-	-	-	-	-	0.02	0.49	0.51	0.02	0.17	2.77	3.47
Not inventoried	-	-	-	-	-	11.50	34.10	9.80	-	-	9.80	-	-	-	55.40
Total	22.48	0.29	4.04	6.34	33.15	94.00	80.70	34.92	23.71	37.75	96.38	60.31	27.37	61.50	453.32
B. Other lands, water and total area															
Nonforest land	14.69	0.28	1.24	0.87	17.08	41.68	8.42	19.92	33.36	26.69	79.97	32.66	20.53	267.86	468.22
Agricultural	0.04	0.27	0.42	0.41	1.14	3.64	5.65	7.74	26.60	20.66	55.00	2.41	-	-	67.83
Other	14.65	0.01	0.82	0.46	15.94	38.04	2.77	12.18	6.76	6.03	24.97	30.25	20.53	267.86	400.39
Total land	37.17	0.57	5.28	7.21	54.23	135.68	89.12	54.84	57.07	64.44	176.35	92.97	47.90	329.36	921.54
Water	3.40	-	0.27	0.14	3.81	18.39	17.74	10.16	8.16	1.68	20.00	1.81	0.45	13.33	75.52
Total area	40.57	0.57	5.55	7.34	54.03	154.07	106.86	65.00	65.23	66.12	196.35	94.78	48.35	342.63	997.06
C. Biomass on nonreserved forest land (1 000 000 t)															
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 327	9 506	199	1 114	25 306

[a] 1 hectare = 10 000 m^2 and 1 km^2 = 100 hectares.

Source: Canada's Forest Inventory 1986, Inventory of Forest Biomass in Canada 1985, Forestry Canada. Census of Agriculture 1986, Statistics Canada.

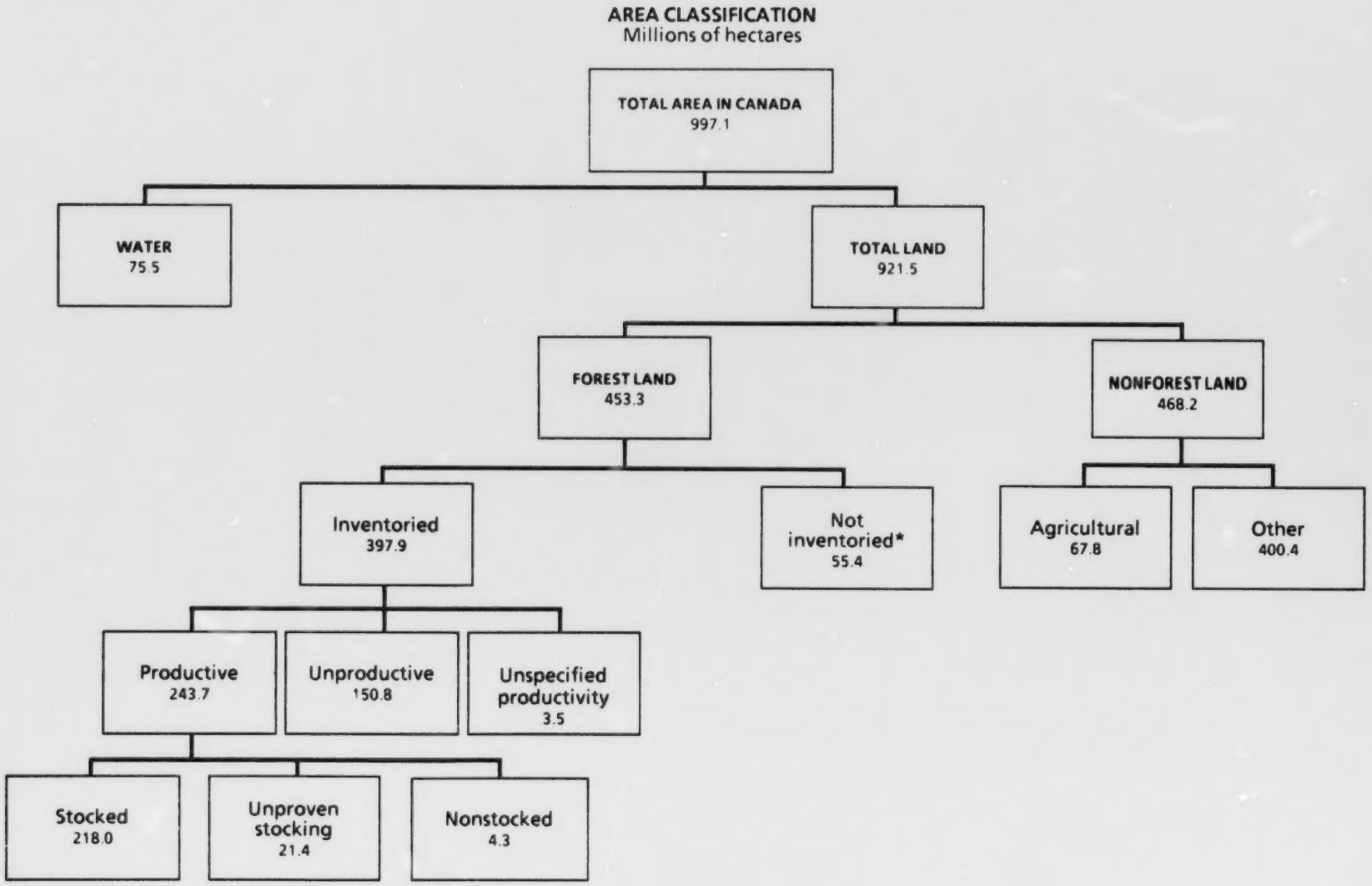

Figure 1. Area classification in Canada, 1986.

Source: Canada's Forest Inventory 1986. Canadian Forestry Service and estimates (*).

I - 2. INVENTORIED FOREST LAND BY OWNERSHIP, CLASS, AND PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
							1 000 000 ha								
A. Inventoried forest land															
Federal	0.10	--	0.11	0.16	0.37	0.23	0.32	0.39	0.50	3.53	4.42	0.57	27.37	61.44	94.72
Provincial	21.79	0.02	1.09	3.09	25.99	75.33	39.72	23.45	22.78	32.99	79.22	57.70	-	-	277.92
Private-industrial	0.50	-	0.90	0.59	1.99	0.43	0.89	-	-	-	-	-	-	-	3.31
Private-nonindustrial	0.08	0.27	1.93	1.00	3.29	3.80	5.63	1.17	0.24	-	1.40	2.02	-	-	16.14
Private-unspecified	0.01	-	-	1.50	1.51	2.70	-	-	0.19	1.12	1.30	0.02	-	-	5.53
Municipal	-	-	-	-	-	-	-	0.12	-	0.01	0.13	-	-	-	0.13
Unclassified	--	-	-	-	--	-	0.05	-	-	0.10	0.10	-	-	-	0.15
Total	**22.48**	**0.30**	**4.04**	**6.34**	**33.15**	**82.49**	**46.60**	**25.12**	**23.71**	**37.75**	**86.57**	**60.31**	**27.37**	**61.44**	**397.92**
B. Inventoried productive forest land															
Federal	0.06	--	0.11	0.15	0.33	0.22	0.25	0.34	0.46	1.75	2.55	0.47	7.56	14.32	25.71
Provincial	10.71	0.02	1.02	2.96	14.71	47.97	32.34	13.49	15.03	22.66	51.18	48.65	-	-	194.85
Private-industrial	0.35	-	0.84	0.57	1.76	0.42	0.79	-	-	-	-	-	-	-	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.15	3.64	4.87	0.99	0.20	-	1.19	1.96	-	-	14.80
Private-unspecified	--	-	-	1.44	1.45	2.55	-	-	0.19	0.93	1.12	0.02	-	-	5.14
Municipal	-	-	-	-	-	-	-	0.10	-	0.01	0.11	-	-	-	0.11
Unclassified	--	-	-	-	--	-	0.05	-	-	0.09	0.09	-	-	-	0.14
Total	**11.18**	**0.28**	**3.85**	**6.09**	**21.39**	**54.79**	**38.29**	**14.92**	**15.89**	**25.44**	**56.25**	**51.10**	**7.56**	**14.32**	**243.70**
C. Inventoried productive nonreserved forest land															
Federal	--	--	0.02	0.12	0.15	0.08	0.25	0.10	0.14	0.03	0.27	0.27	-	1.80	2.81
Provincial	10.70	0.02	1.00	2.96	14.70	47.70	30.87	13.01	14.29	20.49	47.79	46.84	7.49	11.94	207.33
Private-industrial	0.35	--	0.84	0.57	1.76	0.42	0.79	-	-	-	-	-	-	-	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.14	3.64	4.87	0.99	0.20	-	1.19	1.96	-	-	14.80
Private-unspecified	0.01	-	-	1.44	1.45	2.55	-	-	0.19	0.93	1.12	0.02	-	-	5.14
Municipal	-	-	-	-	-	-	-	0.10	-	0.01	0.11	-	-	-	0.11
Total	**11.10**	**0.28**	**3.75**	**6.07**	**21.20**	**54.39**	**36.77**	**14.19**	**14.82**	**21.46**	**50.48**	**49.09**	**7.49**	**13.74**	**233.15**
D. Inventoried, stocked, productive, nonreserved forest land															
Federal	--	--	0.02	0.11	0.13	0.08	0.24	0.09	0.13	0.03	0.25	0.24	5.30	13.72	19.97
Provincial	7.26	0.02	0.81	2.80	10.90	43.61	27.76	11.47	12.79	18.11	42.38	43.06	-	-	167.72
Private-industrial	0.32	-	0.79	0.52	1.62	0.40	0.64	-	-	-	-	-	-	-	2.66
Private-nonindustrial	0.05	0.23	1.63	0.89	2.80	3.20	4.05	0.97	0.20	-	1.17	1.72	-	-	12.94
Private-unspecified	--	-	-	1.36	1.36	2.28	-	-	0.19	0.93	1.12	0.02	-	-	4.78
Municipal	-	-	-	-	-	-	-	0.09	-	0.01	0.10	-	-	-	0.10
Total	**7.63**	**0.25**	**3.25**	**5.68**	**16.81**	**49.57**	**32.69**	**12.62**	**13.32**	**19.08**	**45.02**	**45.05**	**5.30**	**13.72**	**208.15**

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 3. GROSS MERCHANTABLE WOOD ON INVENTORIED, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
A. Maturity class (1 000 000 ha)															
Regeneration	-	-	0.09	0.16	0.26	5.10	1.18	1.21	1.07	0.30	2.58	1.69	0.01	0.72	11.52
Immature	0.61	-	2.15	2.66	5.42	9.20	12.33	8.96	5.37	8.93	23.26	15.00	3.96	8.59	77.76
Mature	1.15	-	0.77	2.67	4.59	22.67	11.56	2.17	1.36	6.98	10.51	28.28	1.33	4.39	83.33
Overmature	0.99	-	0.02	0.19	1.19	-	7.61	0.29	1.08	2.88	4.25	0.08	-	0.02	13.14
Uneven-aged	-	-	0.21	0.01	0.22	0.15	0.01	-	-	-	-	-	-	-	0.37
Unclassified	4.89	0.25	-	-	5.14	12.45	0.01	-	4.44	-	4.44	-	-	-	22.04
Total	**7.63**	**0.25**	**3.25**	**5.68**	**16.81**	**49.57**	**32.69**	**12.62**	**13.32**	**19.08**	**45.02**	**45.05**	**5.30**	**13.72**	**208.15**
B. Maturity class (1 000 000 m^3)															
Regeneration	-	-	1	-	1	119	1	-	9	1	10	9	-	-	140
Immature	-	-	147	210	357	734	930	390	443	716	1 549	1 604	308	144	5 625
Mature	123	-	79	344	546	2 167	1 465	246	165	1 330	1 742	7 226	172	301	13 619
Overmature	122	-	3	17	142	-	1 132	43	163	608	814	28	-	1	2 117
Uneven-aged	-	-	15	1	15	18	1	-	-	-	-	-	-	-	34
Unclassified	280	26	-	-	306	1 187	-	-	125	--	125	-	--	-	1 618
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 240**	**8 867**	**480**	**446**	**23 154**
C. Species group (1 000 000 m^3)															
Softwoods	**487**	**16**	**150**	**362**	**1 015**	**3 020**	**2 205**	**444**	**536**	**1 684**	**2 664**	**8 180**	**436**	**315**	**17 834**
Spruce	107	10	85	168	370	1 774	1 35	264	205	920	1 389	1 958	320	-	7 146
Pine	--	--	12	23	36	246	578	158	130	695	984	2 162	82	-	4 087
Fir	117	5	43	120	285	884	188	10	13	47	70	1 400	-	-	2 827
Hemlock	-	--	8	7	15	28	17	-	-	-	-	1 217	-	-	1 278
Cedar and other conifers	-	1	--	39	40	85	72	1	-	-	1	688	-	-	885
Douglas-fir	-	-	-	-	-	-	-	-	-	2	2	694	-	-	696
Larch	3	1	2	4	10	4	15	10	4	3	17	60	-	-	105
Unspecified	260	-	-	-	260	-	-	-	184	16	200	-	34	315	808
Hardwoods	**38**	**10**	**94**	**209**	**351**	**1 204**	**1 325**	**236**	**370**	**972**	**1 578**	**688**	**44**	**131**	**5 320**
Aspen/poplar	3	2	7	42	53	295	685	201	289	822	1 311	599	36	-	2 979
Birch	26	2	23	57	108	529	361	20	22	33	75	50	3	-	1 126
Maple	--	5	54	87	147	297	200	-	1	-	1	7	-	-	652
Unspecified	10	1	10	24	44	84	79	15	58	117	191	32	6	131	566
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 241**	**8 867**	**480**	**446**	**23 154**

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 4. GROSS MERCHANTABLE WOOD ON INVENTORIED, MATURE AND OVERMATURE, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

	Nfld.	P.E.I.[a]	N.S.	N.B.	Atlantic provinces	Que.[a]	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada[b]
A. Species group on mature/ overmature (1 000 000 ha)	**2.13**	..	**0.79**	**2.86**	**5.78**	**22.67**	**19.16**	**2.45**	**2.44**	**9.86**	**14.75**	**28.37**	**96.49**
Softwoods	**2.00**	..	**0.33**	**1.43**	**3.76**	..	**12.10**	**1.40**	**1.49**	**5.92**	**8.87**	**26.41**	**51.11**
Spruce	0.93	..	..	0.45	1.38	..	8.39	0.76	0.82	3.65	5.23	6.26	21.25
Pine	-	..	..	0.03	0.03	..	2.36	0.65	0.66	2.22	3.53	8.87	14.78
Fir	1.07	..	..	0.19	1.26	..	0.91	0.03	--	0.02	0.05	4.45	6.67
Hemlock	-	..	..	--	--	..	0.07	-	-	-	-	3.14	3.21
Douglas-fir	-	..	..	-	-	..	-	-	-	0.01	0.01	1.54	1.55
Larch	--	..	..	0.01	0.01	..	0.05	0.01	0.01	0.02	0.04	0.08	0.17
Unspecified	-	..	0.33	0.75	1.08	..	0.33	--	-	-	--	2.07	3.48
Hardwoods	**0.13**	..	**0.20**	**0.72**	**1.05**	..	**7.06**	**1.01**	**0.95**	**3.94**	**5.90**	**1.95**	**15.96**
Poplar	--	..	..	-	-	..	3.47	0.76	0.93	1.05	2.74	1.84	8.05
Birch	0.13	..	..	-	0.13	..	2.18	0.01	0.02	0.01	0.04	0.09	2.43
Maple	-	..	..	-		..	1.10	0.02	-	-	0.02	--	1.12
Unspecified	-	..	0.20	0.72	0.92	..	0.31	0.23	-	2.89	3.12	0.01	4.36
Unclassified	-	..	**0.27**	**0.71**	**0.98**	**22.67**	--	-	--	--	--	--	**29.39**
B. Species group on mature/ overmature (1 000 000 m^3)	**245.23**	..	**81.76**	**360.67**	**687.66**	**2 166.50**	**2 597.54**	**289.59**	**328.59**	**1 937.91**	**2 556.09**	**7 254.28**	**15 736.45**
Softwoods	**230.20**	..	**37.64**	**202.09**	**469.93**	..	**1 555.04**	**164.52**	**180.75**	**1 217.21**	**1 562.48**	**6 819.33**	**10 406.76**
Spruce	99.41	..	..	65.12	164.53	..	1 042.12	87.98	98.86	664.13	850.97	1 560.59	3 618.22
Pine	0.01	..	..	5.01	5.02	..	377.57	72.23	80.76	546.11	699.10	1 858.04	2 939.73
Fir	130.69	..	..	33.16	163.85	..	89.96	3.62	0.53	3.91	8.06	1 038.76	1 300.63
Hemlock	-	..	..	0.41	0.41	..	9.68	-	-	-	-	1 304.18	1 314.26
Douglas-fir	-	..	..	-	-	..	-	-	-	1.69	1.69	390.39	392.07
Larch	0.09	..		1.03	1.12	..	4.50	0.60	0.60	1.37	2.57	18.19	26.37
Unspecified	-	..	37.64	97.36	135.00	..	31.21	0.09	-	-	0.09	649.18	815.48
Hardwoods	**15.03**	..	**17.95**	**87.53**	**120.51**	..	**1 042.42**	**125.06**	**147.84**	**720.48**	**993.38**	**434.88**	**2 591.20**
Aspen/poplar	0.37	..	..	..	0.37	..	673.41	95.86	145.76	183.29	424.91	415.09	1 513.79
Birch	14.66	..	..	..	14.66	..	188.05	0.58	2.06	0.77	3.41	14.33	220.45
Maple	-	..	..	..	-	..	148.54	2.03	0.02	-	2.05	1.73	152.32
Unspecified	-	..	17.95	87.53	105.48	..	32.42	26.59	-	536.42	563.01	3.73	704.64
Unclassified	-	..	**26.16**	**71.07**	**97.23**	**2 166.50**	**0.09**	-	**0.02**	**0.23**	**0.25**	**0.07**	**2 738.48**

[a]No data.
[b]Includes unclassified species in Yukon (1.33 million ha, 172.39 million m^3) and Northwest Territories (4.01 million ha and 301.96 million m^3).

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 5. STATISTICS ON PLANTING STOCK FOR REFORESTATION PURPOSES BY SOURCE AND PROVINCE, 1984-1986

Province or Territory	Number of production centers		Area available for production[a]	Seedling production			Targeted seedling production by source 1986 (%)			
	1984	1985		Trees shipped 1984	Planned production 1985	Planned production 1986	Federal	Provincial	Industry	Private
				---------- 000 ----------						
A. Containerized seedling production										
Nfld.	3	3	3 204	2 439	3 165	3 165	-	100.0	-	-
P.E.I.	1	1	3 717	1 214	1 675	2 000	-	100.0	-	-
N.S.	8	8	27 407	12 073	23 900	29 754	-	64.4	19.1	16.5
N.B.	9	10	53 316	39 802	54 391	54 411	-	61.2	38.3	0.5
Que.	15	8	126 870	21 500	35 000	99 000	-	50.5	-	49.5
Ont.	32	36	77 979	81 458	78 731	88 986	-	9.1	-	90.9
Man.	2	2	6 582	3 722	7 688	10 360	-	100.0	-	-
Sask.	-	1	1 134	-	765	1 530	-	100.0	-	-
Alta.	5	5	27 115	15 139	23 740	23 750	-	75.8	12.6	11.6
B.C.	26	37	240 395	74 702	155 338	241 598	-	46.6	7.6	45.8
Total	**101**	**111**	**567 719**	**252 049**	**384 393**	**554 554**	-	**46.6**	**8.6**	**44.8**
B. Bare-root seedling production										
Nfld.	1	1	40	3 242	7 000	9 000	-	100.0	-	-
P.E.I.	1	1	20	315	390	400	-	100.0	-	-
N.S.	2	2	99	4 600	4 400	6 500	-	100.0	-	-
N.B.	2	2	126	14 300	13 000	13 000	-	26.9	73.1	-
Que.	8	8	387	47 400	66 500	61 000	-	86.9	-	13.1
Ont.	11	11	761	59 938	71 151	68 875	-	98.3	1.7	-
Man.	1	1	38	2 700	4 500	4 500	-	100.0	-	-
Sask.	4	4	151	10 647	11 365	18 159	-	100.0	-	-
Alta.	2	2	100	9 600	14 200	12 300	-	97.6	-	2.4
B.C.	11	10	853	53 329	53 696	51 450	-	80.1	9.7	10.2
Total	**43**	**42**	**2 575**	**206 071**	**246 202**	**245 184**	-	**88.1**	**6.4**	**5.5**

[a]Containerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownwright, A.J. Forest Tree Production Centres in Canada - 1984. Forestry Canada.

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
A. Area harvested														
Clear-cut (ha)	1975	15 700e	1 600e	27 260	94 400e	104 609[a]	140 896	15 700e	17 500	20 256	133 277	112	-	571 310
	1976	14 700e	1 600e	26 285	92 800e	140 106[a]	114 171	17 000e	16 900	19 060	147 897	104	-	590 623
	1977	14 300e	1 600e	28 335	86 500e	159 045[a]	121 930	18 000e	16 200	21 450	140 169	250	-	607 779
	1978	17 600e	1 600e	32 120	89 200e	185 908[a]	141 381	20 000e	21 100	22 103	168 820	299	-	700 131
	1979	17 700e	1 780e	33 703	100 000e	208 498[a]	160 148	24 600e	25 100	24 689	157 395	-	-	753 613
	1980	15 175	2 500e	35 000e	85 900e	199 920[a]	217 157	24 600e	16 930	23 562[b]	156 786	58	-	777 588
	1981	13 454	2 700e	35 000e	65 500e	204 000[a]	202 786	18 900	18 280	20 934[b]	125 148	45	-	706 747
	1982	8 000	2 700e	35 000e	72 445e	159 120[a]	200 337	20 400	15 830	27 287[b]	134 430	43	-	675 592
	1983	13 900	2 500e	20 100	77 490e	239 800[a]	153 086	14 100	19 690	32 739[b]	165 946	-	-	739 351
	1984	17 600	2 500e	29 900	78 850e	245 700[a]	187 319	15 700	21 910	28 121[b]	171 223	-	-	798 823
	1985	16 400	3 200e	28 800	82 720e	242 150[a]	185 172	15 900	19 693	33 825[b]	185 549	-	-	813 409
Total harvesting (ha)	1975	15 700e	1 600e	27 260	94 400e	135 094[a]	196 760[c]	15 700e	17 500	20 256	156 976	620	706	682 572
	1976	14 700e	1 600e	26 285	92 800e	181 737[a]	156 721[c]	17 000e	16 900	19 060	175 952	560	396	703 711
	1977	14 300e	1 600e	28 335	86 500e	193 295[a]	187 993[c]	18 000e	16 200	21 450	166 081	747	688	735 189
	1978	17 600e	1 600e	32 120	89 200e	226 127[a]	194 998[c]	20 000e	21 100	22 103	196 533	935	693	823 009
	1979	17 700e	1 780e	33 703	100 000e	241 826[a]	218 579[c]	24 600e	25 100	24 689	187 547	280	629	876 433
	1980	15 175	2 500e	36 439e	85 900e	245 000[d]	242 679[c]	24 600e	16 930	23 562[b]	187 834	58	742	881 419
	1981	13 454	2 700e	36 429e	65 500e	250 000[d]	227 603[c]	18 900	18 280	20 934[b]	147 889	45	903	802 637
	1982	8 000	2 700e	35 710e	72 445e	195 000[d]	222 921[c]	20 400	15 830	27 287[b]	162 172	43	427	762 935
	1983	13 900	2 500e	20 745[e]	81 570e	272 085[a]	183 208[c]	14 100	19 690	32 739[b]	188 228	321	870	829 956
	1984	17 600	2 500e	30 604[e]	83 000e	280 739[a]	217 806[c]	15 700	21 910	28 121[b]	198 453	561	1 075	898 069
	1985	16 400	3 200e	29 778[e]	87 070e	266 180[a]	217 984[c]	15 900	19 693	33 825[b]	210 397	135	990	901 552
B. Area of site preparation														
Prescribed burning (ha)	1975	-	-	-	300	-	-	-	-	-	60 615	-	-	60 915
	1976	-	-	-	500	-	-	-	-	-	61 759	-	-	62 259
	1977	-	-	-	400	-	2 949	-	-	-	29 942	-	-	33 291
	1978	-	-	-	1 000	-	4 247	-	-	-	33 460	-	-	38 707
	1979	-	-	-	1 500	-	4 163	-	-	-	47 468	-	-	53 131
	1980	115	-	-	656	-	2 362	-	-	217	26 896	-	-	30 246
	1981	76	-	129	2 284	-	2 409	-	-	-	18 372	-	-	23 270
	1982	8	-	65	1 952	-	5 277	-	-	-	29 993	-	-	37 295
	1983	8	-	2 088	50	-	4 501	-	-	-	34 457	-	-	41 104
	1984	414	-	2 644	-	56	3 830	-	-	-	39 713	-	-	46 657
	1985	225	-	77	-	246	8 461	-	-	-	44 090	-	-	53 099

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
B. Area of site preparation (continued)														
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	2 973	17 537	13 194	-	-	96 303
	1976	-	48	634	10 500	2 570	39 157	4 038	1 969	14 606	15 490	-	-	89 012
	1977	28	-	850	13 500	7 555	37 638	4 080	2 643	16 976	18 227	-	-	101 497
	1978	320	16	2 608	15 000	8 478e	32 290	4 342	4 169	20 396	17 948	-	-	105 567
	1979	1 508	566	2 255	16 802[f]	14 217	43 340	3 823	5 365	15 143	19 827	-	-	122 846
	1980	235	566	1 952	16 591[f]	6 993	50 624	3 836	7 633	12 802	20 529	-	-	121 761
	1981	1 097	280	1 879	20 374[g]	6 904	51 683	4 161	8 634	13 568	20 758	-	-	129 338
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	11 141	16 611	18 892	-	-	138 133
	1983	1 840	485	1 038	10 570	16 088	66 476	3 951	6 901	19 607	25 251	-	-	152 207
	1984	2 855	1 228	1 297	8 862	27 036	73 893	3 838	6 831	18 082	28 276	-	-	172 198
	1985	1 880	1 110	-	9 293	43 201	83 283	4 821	7 481	19 404	15 412	-	-	185 885
Total site preparation (ha)[h]	1975	-	-	595	10 100	3 008	45 231	3 965	3 918	17 537	73 809	-	-	158 163
	1976	-	48	634	11 000	2 570	39 157	4 038	3 089	14 606	77 249	-	-	152 391
	1977	28	-	850	13 900	7 555	47 961	4 080	4 665	16 976	48 169	-	-	144 184
	1978	320	16	2 608	16 000	9 539	48 706	4 443	5 973	20 396	51 408	-	-	159 409
	1979	1 508	566	2 255	18 500	14 769	53 390	4 356	6 815	15 143[i]	67 295	224	-	184 821
	1980	379	566	8 010	24 926	13 903	56 620	4 055	7 633	13 019[i]	65 194	-	-	194 305
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	8 634	13 568[i]	54 893	-	-	192 400
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	11 141	16 611[i]	62 631	-	-	208 172
	1983	1 848	579	6 263	11 132	21 940	78 142	4 338	6 901	19 607[i]	73 439	-	-	224 189
	1984	3 769	1 485	7 984	8 862	29 902	86 932	4 839	6 831	18 082[i]	84 413	-	-	253 099
	1985	3 446	1 371	12 025	9 293	50 906	98 953	6 674	7 481	19 404[i]	91 421	-	-	300 974
C. Area planted														
Bare-root area (ha)	1975	-	40e	980	5 300	15 905	27 284	573	3 622	1 818	50 440	-	-	105 962
	1976	-	40e	777	5 450	15 271	24 165	743	3 363	761	44 171	-	-	94 741
	1977	-	40e	1 359	5 200	16 348	24 101	738	4 215	180	32 012	-	-	84 193
	1978	-	54	1 907	8 100	14 026	25 189	917	5 359	110	34 740	-	-	90 402
	1979	-	44	888	8 500	14 039	26 693	470	6 348	-	40 534	-	-	97 516
	1980	200	176	1 245	8 943	13 828	27 146	567	5 006	523	42 265	-	-	99 899
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	3 278	4 152	31 577	-	-	99 395
	1982	-	73	1 331	7 922	15 696	30 278	1 817	5 198	4 857	34 217	-	-	101 389
	1983	919	162	1 605	1 838	21 345	30 023	1 424	5 597	4 899	47 948	-	-	115 760
	1984	1 514	117	1 285	2 313	20 036	25 752	863	4 858	2 734	44 685	-	-	104 157
	1985	1 273	179	1 786	1 573	26 958	33 391	1 398	5 276	2 701	43 640	-	-	118 175

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Bare-root seedlings	1975	-	100e	2 495	13 096	36 582	45 984e	1 335	5 242	2 273	58 257	-	-	165 364
(000)	1976	-	100e	1 925	13 467	35 124	41 927e	2 068	4 530	952	48 334	-	-	148 427
	1977	-	100e	3 125	12 849	37 601	43 343e	1 406	5 747	234	34 317	-	-	138 722
	1978	-	135	3 045	20 015	32 259	52 928	1 217	8 099	129	38 122	-	-	155 949
	1979	-	110	1 900	21 004	32 389	61 453	1 293	10 272	-	48 040	-	-	176 461
	1980	500	381	2 570	19 835	34 573	65 360	1 164	9 480	799	49 737	-	-	184 399
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	6 165	6 084	37 173	-	-	183 688
	1982	-	177	3 673	11 250	37 579	63 660	3 772	10 181	6 220	40 261	-	-	176 773
	1983	2 101	452	4 682	3 414	53 354	65 754	3 555	10 802	6 474	54 860	-	-	205 448
	1984	4 009	315	3 521	4 910	50 081	49 661	2 236	9 207	3 217	51 794	-	-	178 951
	1985	2 859	407	4 748	3 257	67 394	67 232	3 402	9 785	3 732	48 072	-	-	210 888
Container area (ha)	1975	-	80e	445	1 375	-	2 766	543	41	4 198	12 638	-	-	22 086
	1976	-	80e	453	2 600	58e	2 005	303	129	4 038	15 990	-	-	25 656
	1977	-	80e	972	4 407	196e	2 406	94	286	5 304	23 729	-	-	37 474
	1978	-	40	1 383	2 600	53e	2 360	303	342	7 035	23 529	-	-	37 645
	1979	184	40	1 788	7 200	23e	4 137	100	643	8 264	23 143	-	-	45 522
	1980	160	247	2 496	13 095	13	4 934	195	784	8 727	21 410	-	-	52 061
	1981	779	465	2 518	15 050	1 142	6 634	689	735	7 197	35 028	-	-	70 237
	1982	802	402	2 918	14 536	1 381	7 564	386	845	6 644	48 578	-	-	84 056
	1983	917	372	2 415	18 147	4 564	18 148	396	773	7 425	46 778	-	-	99 935
	1984	913	456	3 651	17 093	9 188	27 242	845	-	11 061	55 347	-	-	125 796
	1985	1 489	715	4 798	17 880	12 169	38 693	2 771	-	6 528	57 802	-	-	142 845
Container seedlings	1975	-	200e	1 100	3 398	-	4 791e	1 266	90	5 247	14 564	-	-	30 656
(000)	1976	-	200e	1 120	6 425	132	3 589e	842	214	5 045	17 498	-	-	35 065
	1977	-	200e	2 401	10 890	450	4 381e	180	623	6 633	25 438	-	-	51 196
	1978	-	100	3 416	6 425	122	5 487	402	641	8 218	25 211	-	-	50 022
	1979	460	100	4 416	17 791	54	7 945	275	1 320	10 329	26 932	-	-	69 622
	1980	398	588	5 514	30 951	29	10 497	400	1 235	10 528	25 235	-	-	85 375
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 359	8 731	41 127	-	-	114 166
	1982	1 803	996	7 541	28 842	2 881	16 465	800	1 571	7 913	57 442	-	-	126 254
	1983	2 001	1 042	7 037	39 276	10 118	39 211	1 038	340	10 114	53 518	-	-	163 695
	1984	2 194	1 231	9 859	36 363	22 062	76 656	2 274	-	13 058	64 161	-	-	227 858
	1985	3 075	1 625	12 759	37 589	29 147	79 530	6 022	-	8 233	63 672	-	-	241 652

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Total area planted (ha)	1975	-	120e	1 425	6 675	15 905	30 050	1 116	3 663	6 016	63 078	-	-	128 048
	1976	-	120e	1 230	8 050	15 329	26 170	1 046	3 492	4 799	60 161	-	-	120 397
	1977	-	120e	2 331	9 607	16 544	26 507	832	4 501	5 484	55 741	-	-	121 667
	1978	-	94	3 290	10 700	14 079	27 549	1 220	5 701	7 145	58 269	-	-	128 047
	1979	184	84	2 676	15 700	14 062	30 830	570	6 991	8 264[j]	63 677	-	-	143 038
	1980	360	423	3 741	22 038	13 841	32 080	762	5 790	9 250[j]	63 675	-	-	151 960
	1981	1 853	490	5 085	22 121	15 875	38 107	4 134	4 013	11 349[j]	66 605	-	-	169 632
	1982	802	475	4 249	22 458	17 077	37 842	2 203	6 043	11 501[j]	82 795	-	-	185 445
	1983	1 836	534	4 020	19 985	25 909	48 171	1 820	6 370	12 324[j]	94 726	-	-	215 695
	1984	2 427	573	4 936	19 406	29 224	62 994	1 708	4 858	13 795[j]	100 032	-	-	239 953
	1985	2 762	894	6 584	19 453	39 127	72 084	4 169	5 276	9 229[j]	101 442	-	-	261 020
Total seedlings planted (000)	1975	-	300e	3 595	16 494	36 582	50 775	2 601	5 332	7 520	72 821	-	-	196 020
	1976	-	300e	3 045	19 892	35 256	45 516	2 910	4 744	5 997	65 832	-	-	183 492
	1977	-	300e	5 526	23 739	38 051	47 724	1 586	6 370	6 867	59 755	-	-	189 918
	1978	-	235	6 461	26 400	32 381	58 415	1 619	8 740	8 347	63 333	-	-	205 931
	1979	460	210	7 326	38 795	32 343	69 398	1 568	11 592	10 329	74 972	-	-	246 993
	1980	898	969	8 081	50 786	34 602	75 857	1 564	10 715	11 327	74 972	-	-	269 771
	1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	7 524	14 815	78 300	-	-	297 854
	1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 752	14 133	97 703	-	-	302 970
	1983	4 102	1 494	11 719	42 690	63 472	104 965	4 593	11 142	16 588	108 378	-	-	369 143
	1984	6 203	1 546	13 380	41 273	72 143	126 317	4 510	9 207	16 275	115 955	-	-	406 809
	1985	5 934	2 032	17 507	40 846	96 541	146 762	9 424	9 785	11 965	111 744	-	-	452 540
D. Area of direct seeding (ha)	1975	-	-	-	125	5 693	23 510	223	-	4 747	-	-	-	34 298
	1976	-	-	10	550	1 810	27 039	199	-	6 325	-	-	-	35 933
	1977	-	-	1	393	3 373	28 791	61	-	10 110	-	-	-	42 729
	1978	-	-	127	-	5 703	23 582	126	-	7 505	-	-	-	37 043
	1979	-	-	77	-	6 744	24 251	2 774	-	5 543[k]	-	-	-	39 389
	1980	36	-	-	-	9 949	47 294	1 093	-	6 635[k]	-	-	-	65 007
	1981	54	-	-	172	9 525	27 869	272	-	4 701[k]	-	-	-	42 593
	1982	230	-	55	9	14 506	29 991	118	-	5 370[k]	-	-	-	50 279
	1983	-	-	-	-	6 116	21 246	697	-	8 974[k]	315	-	-	37 348
	1984	-	-	-	-	8 649	16 229	145	-	8 436[k]	284	-	-	33 743
	1985	-	-	-	-	1 002	18 894	-	-	6 293[k]	-	-	-	26 189

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONCLUDED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
E. Area of stand tending (ha)	1975	213	-	1 334	-	..	33 277	562	12	143[n]	1 841	-	-	37 382
	1976	196	-	1 625	-	-	38 324	377	10	583[n]	9 733	-	-	50 848
	1977	1 928	-	2 146	1 032[l]	-	52 850	558	-	123[n]	23 435	-	-	82 072
	1978	1 976	-	2 504	1 807[l]	-	48 269	624	-	245[n]	26 586	-	-	82 011
	1979	2 321	20	3 556	3 436[l]	-	39 228	220	142	272[n]	33 279	-	-	82 474
	1980	3 006	49	7 451	18 924[l]	10 829	51 036	263	121	270[n]	30 877	-	-	122 826
	1981	4 248	353	9 264	17 618[l]	12 686	41 444	-	404	701[n]	37 677	-	-	124 395
	1982	4 750	1 112	5 923	18 263[l]	6 446[m]	54 506	-	260	624[n]	26 031	-	-	117 915
	1983	5 559	814	7 133	30 488[l]	15 960	47 560	1 559	791	245[n]	15 739	-	-	125 848
	1984	6 205	707	13 115	40 040[l]	21 220	69 994	4 592	1 817	510[n]	30 865	-	-	189 065
	1985	6 795	856	16 526	45 700[l]	19 800	92 838	2 944	712	1 005[n]	29 416	-	-	216 592
F. Area of pest control (ha)	1975	-	-	-	2 695 000	2 800 000	14 167	-	-	-	1 785	-	-	5 510 952
	1976	-	-	-	3 881 000	2 900 000	41 060	-	-	-	2 667	-	-	6 824 727
	1977	76 910	-	556	1 682 000	1 400 000	10 522	-	-	-	2 384	-	-	3 172 372
	1978	376 600	-	25 670	1 554 000	1 200 000	4 085	-	-	-	2 908	-	-	3 163 263
	1979	-	-	30 752	1 598 000	600 000	22 072	-	-	-	2 287	-	-	2 253 111
	1980	-	-	25 670	1 900 000	188 511	36 422	-	-	-	1 564	-	-	2 152 167
	1981	-	-	31 195	1 693 000	705 164	2 477	-	-	-	3 830	-	-	2 435 666
	1982	-	-	19 153	1 867 570	1 298 495	28 685	-	-	-	-	-	-	3 213 903
	1983	-	-	20 726	1 245 000	1 253 605	43 770	-	12	-	2 374	-	-	2 565 487
	1984	-	-	20 537	732 000	712 282	47 280	428	434	-	3 948	-	-	1 516 909
	1985	145 086	-	49 719	545 000	698 343	10 339	760	-	-	3 488	-	-	1 452 735

[a] Provincial Crown land only.
[b] From 1980-1981 to 1985-1986, an additional 39 631 ha were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.
[c] Other harvesting in uneven-aged stands. Figures do not include harvesting methods, termed as regeneration conducted in largely hardwood forests. Strip cutting, seed tree cutting, shelterwood cutting and clear-cutting covered an area of 139 956 ha from 1980-1981 to 1985-1986.
[d] Includes cutovers on private land.
[e] Includes shelterwood harvesting.
[f] Includes 1 288 ha of burning and scarification.
[g] Includes 870 ha of burning and scarification and 108 ha of chemical treatment and scarification.
[h] Includes Other site preparation.
[i] From 1979-1980 to 1985-1986, an additional 40 359 ha were scarified under a special stand conversion program.
[j] From 1980-1981 to 1985-1986, an additional 41 258 ha were planted under a special stand conversion program.
[k] From 1980-1981 to 1985-1986, an additional 1 766 ha were directly seeded under a special stand conversion program.
[l] Figures for 1977-1978 to 1979-1980 differ from those in Grace and Golec (1982) because they were received after the publication date.
[m] Precommercial thinning only. Data on other treatments are not available.
[n] Thinning only.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary, Forestry Canada.

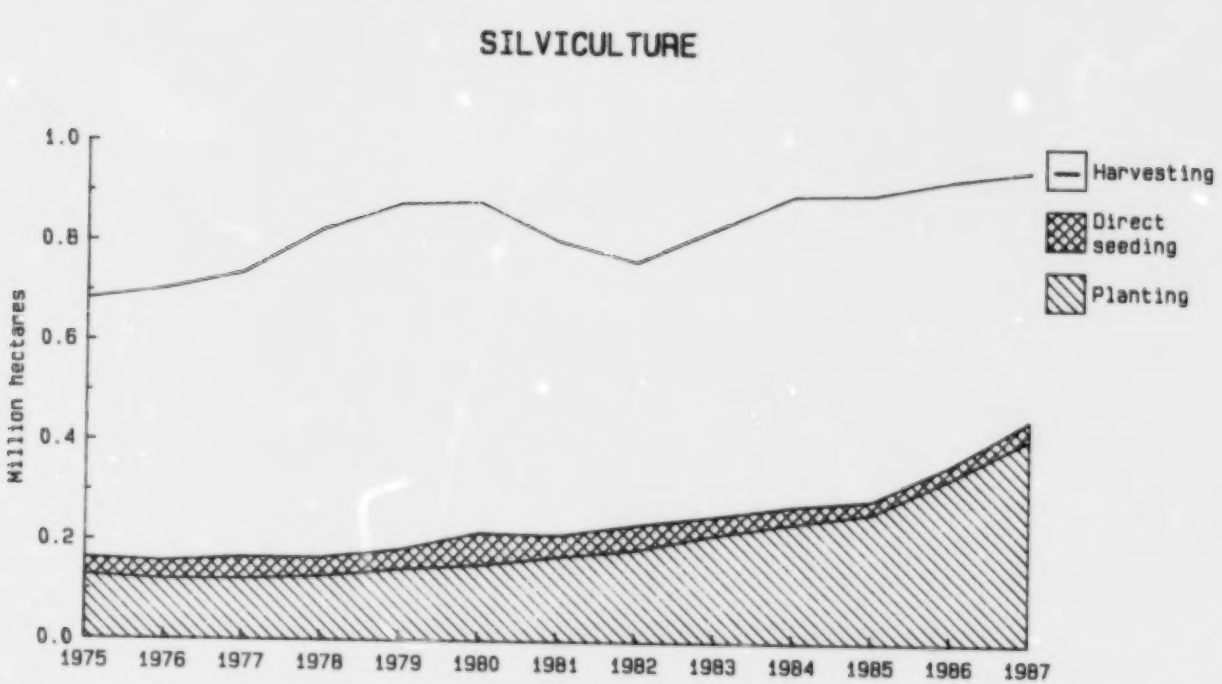

Figure 2. Harvesting compared to planting and direct seeding in Canada, 1975-1987.

Source: Silviculture statistics for Canada: an 11-year summary, Forestry Canada and estimated figures for 1986-1987, Forest Development Branch.

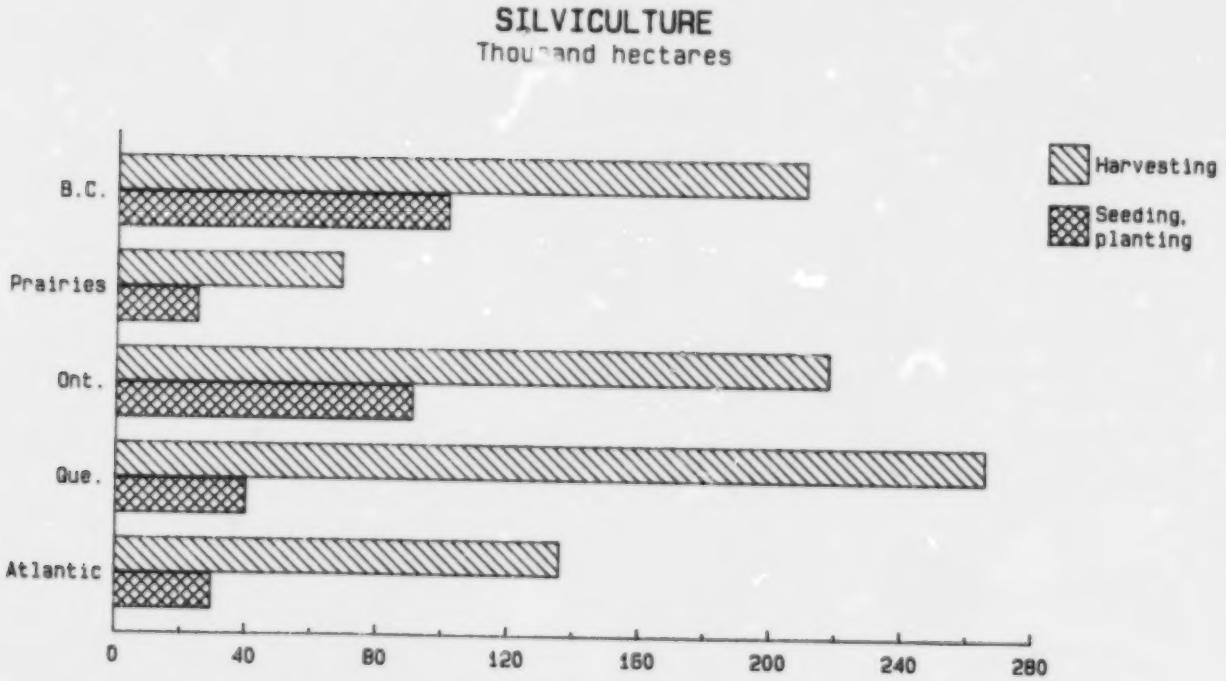

Figure 3. Harvesting compared to artificial regeneration by region, 1985.

Source: Silviculture Statistics for Canada: an 11-year summary, Forestry Canada.

I - 7. SILVICULTURE TREATMENTS (AREA) PERFORMED UNDER FOREST ECONOMIC AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
							hectares					
A. Site preparation	1984	-	648	4 857	224	-	39 475	447	3 986	-	-	49 637
	1985	-	1 483	8 343	1 652	65 754	14 855	588	5 261	-	14 270	112 206
	1986	772	1 416	11 611	1 168	81 682	53 069	2 050	2 269	1 608	19 253	174 898
B. Planting and direct seeding	1984	-	347	3 030	12 130	-	13 992	1	-	-	-	29 500
	1985	-	492	3 776	14 747	35 832	18 753	638	2 882	-	13 953	91 073
	1986	797	699	5 059	15 649	55 227	13 799	993	3 177	-	20 467	115 867
C. Stand tending	1984	-	1 037	11 580	5 378	-	8 806	618	56	-	-	27 475
	1985	-	1 160	16 762	24 183	14 561	10 605	339	764	30	5 546	73 950
	1986	6 788	1 217	17 299	8 758	16 119	28 751	642	629	55	34 587	114 845
D. Silviculture treatments[c]	1984	-	2 032	19 467	17 732	-	62 273	1 066	4 042	-	-	106 612
	1985	-	3 135	28 881	40 582	116 147	44 213	1 565	8 907	30	33 769	277 229
	1986	8 357	3 332	33 969	25 575	153 028	95 619	3 685	6 075	1 663	74 307	405 610
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	-	-	30 949	-	1 066	-	-	-	32 015
	1986	-	-	-	-	14 633	30	-	-	-	-	14 663

[a] 1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.
[b] Forest Development Subsidiary Agreement and Gaspe and Lower St. Lawrence Program.
[c] Excluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

I - 8. SILVICULTURE TREATMENTS (VALUE) PERFORMED UNDER FOREST ECONOMIC AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
							$000					
A. Site preparation	1984	-	140	716	43	-	8 350	140	489	-	-	9 878
	1985	-	309	1 265	270	13 299	1 122	176	777	-	3 506	20 724
	1986	142	281	2 015	193	18 699	8 231	396	275	2 023	9 416	41 671
B. Planting and direct seeding	1984	-	69	1 052	4 065	-	2 855	235	422	-	-	8 698
	1985	-	102	1 352	4 791	11 745	6 537	400	1 171	-	3 436	29 534
	1986	290	179	2 552	5 220	19 813	2 970	339	1 340	12	6 970	39 685
C. Stand tending	1984	-	474	2 260	2 954	-	1 173	587	11	-	-	7 458
	1985	-	602	4 110	5 210	6 571	1 966	148	240	54	2 151	21 051
	1986	3 639	610	5 005	4 923	6 108	4 923	291	240	23	7 439	33 199
D. Silviculture treatments[c]	1984	-	684	4 028	7 061	-	12 378	962	922	-	-	26 034
	1985	-	1 014	6 727	10 271	31 616	9 624	724	2 188	54	9 093	71 310
	1986	4 070	1 069	9 572	10 337	44 620	16 124	1 026	1 854	2 058	23 826	114 554
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	17	-	731	-	249	-	-	200	1 197
	1986	403	-	89	-	740	31	-	32	-	-	1 296

[a] 1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.
[b] Forest Development Subsidiary Agreement and Gaspe and Lower St. Lawrence Program.
[c] Excluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

I - 9. FOREST FIRE STATISTICS BY PROVINCE, 1980-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
A. Number of fires[a]														
1980	60	16	439	389	947	1 779	1 082	743	1 348	1 743	150	345	100	9 141[b]
1981	131	40	449	275	1 114	1 656	712	965	1 522	2 737	91	311	142	10 145
1982	165	53	491	487	1 202	1 396	425	596	1 256	2 205	204	357	104	8 941
1983	138	55	332	456	1 653	2 244	535	437	756	1 705	198	337	84	8 930
1984	101	38	446	395	683	1 240	692	549	1 370	3 063	168	311	161	9 217
1985	289	52	583	851	880	887	346	520	939	3 604	110	150	146	9 357
1986	193	95	510	354	851	1 088	217	493	585	2 194	217	206	84	7 087
1987	287	52	590	653	992	1 923	519	980	1 238	3 477	125	374	94	11 304
1988	116	21	328	438	1 331	3 260	982	1 064	865	1 951	115	190	73	10 734
B. Area burned - total forest land (ha)														
1980	954	67	953	2 815	31 573	560 325	514 292	1 348 792	672 460	65 578	130 781	1 214 396	279 164	4 822 150
1981	13 087	146	370	389	2 480	179 473	396 454	1 647 971	1 365 600	106 593	35 159	984 932	680 711	5 413 365
1982	4 392	131	617	6 537	7 970	3 892	15 444	64 586	679 683	348 693	254 891	302 150	8 605	1 697 591
1983	16 792	321	449	1 852	238 903	443 655	99 153	52 172	2 818	67 365	43 006	226 841	848	1 194 175
1984	7 743	202	598	580	3 082[c]	120 424	130 189	321 235	78 966	19 908	19 895	41 074	21 486	765 382
1985	153 115	181	1 077	4 144	2 697[c]	1 007	11 823	110 128	12 920	234 647	15 131	204 745	5 645	757 260
1986	108 831	512	833	39 099	197 226	145 561	10 342	13 159	2 692	16 927	90 568	321 710	2 663	950 123
1987	17 129	113	560	1 199	36 835	75 582	169 519	226 494	36 113	34 541	88 326	399 077	141	1 085 629
1988	1 780	17	335	1 975	275 620	390 796	470 406	81 110	14 051	11 462	6 310	66 080	331	1 320 273
C. Area burned - productive forest land (ha)														
1980	680	-	509	2 116	4 902	330 825	304 049	89 237	465 106	32 743	111 537	12 975	..	1 354 679
1981	2 893	22	153	..	2 170	40 817	220 336	..	943 768	57 277	12 735	25 643	..	1 305 814
1982	4 392	25	..	5 304	7 202	297	7 094	..	457 987	280 676	68 127	2 536	..	833 640
1983	107	50	80	1 315	206 952	74 663	66 962	9 478	1 216	32 848	14 805	1 188	..	409 664
1984	1 565	8	164	270	2 397[c]	2 219	51 099	47 281	35 259	12 227	6 995	134	21 366	180 984
1985	40 457	4	186	1 301	1 952[c]	127	5 367	9 020	3 820	54 231	11 407	6	4 927	132 805
1986	23 511	85	312	37 216	173 296	50 598	5 354	4 031	1 587	9 474	3 132	11	2 663	311 270
1987	10 622	16	236	895	27 849	5 461	84 266	129 332	24 295	22 308	1 150	10	141	306 580
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..
D. Value lost ($000)[d]														
1980	120	..	..	887[d]	847[e]	72 094	109 431	17 603	115 349	21 526	6 914	7 030	30	351 833
1981	698	6	..	342	343	9 171	60 789	538 531	186 998	12 857	1 726	6 266	..	817 727
1982	60	10	..	3 677	886	117	2 225	..	138 015	43 890	5 994	1 705	..	196 579
1983	24	15	..	2 093	26 430	15 583	5 773	35 583	309	12 309	1 672	1 585	..	101 375
1984	..	4	..	79	262	1 440	12 940	59 239	3 129	4 295	967	219	..	82 573
1985	7 156	5	..	1 751	266	389	1 437	29 350	1 986	33 849	1 211	1 024	..	78 424
1986	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1987	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..

I - 9. FOREST FIRE STATISTICS BY PROVINCE, 1980-1988 (CONCLUDED)

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
E. Fire control expenditure-budgeted costs ($000)														
1980	3 250	..	1 924	339	19 170	20 708	3 031	790	7 829	7 718	2 855	3 750	--	71 364[b]
1981	2 400	9	1 226	425	20 775	26 800	1 000	780	22 198	6 995	4 428	3 800	2 629	93 465
1982	3 300	25	585	486	19 800	24 800	8 461	1 082	32 684	6 456	3 792	4 200	1 385	107 056
1983	3 428	24	624	1 072	23 200	24 500	8 500	8 000	19 075	50 000	5 746	9 667	1 649	155 485
1984	1 735	30	..	1 186	22 800	26 000	7 600	9 020	19 658	46 000	5 900	5 495	2 240	147 665
1985	1 748	165	2 722	410	26 087	20 900	7 800	7 964	27 266	45 345	5 500	5 600	2 276	153 783
1986	1 801	49	..	500	25 753	31 000	8 200	11 645	18 017	..	3 300	5 815	2 731	108 811
1987	1 760	37	..	534	25 135	35 000	7 887	13 678	17 600	..	5 000	6 600	2 399	115 630
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..
F. Fire control expenditure fire-fighting costs ($000)[f]														
1980	420	..	300	770	1 869	56 183	7 155	15 311	37 341	18 024	2 045	11 800	3 370	154 591[b]
1981	665	13	120	263	2 369	2 700	7 353	21 995	51 830	39 223	3	7 582	1 769	135 891
1982	130	-	186	3 010	3 249	16 999	2 725	8 250	55 912	42 258	532	7 283	1 031	141 565
1983	50	-	159	2 229	11 803	20 000	8 259	7 589	16 214	24 800	1 478	7 700	300	100 581
1984	592	34	250	517	1 100	7 500	7 337	14 724	7 804	37 500	1 300	4 800	2 018	85 474
1985	2 247	177	304	1 045	1 831	2 500	1 634	9 109	9 234	101 479	676	3 513	2 391	136 140
1986	4 372	92	276	9 000	5 192	16 500	1 234	11 645	13 284	21 539[d]	3 700	13 180	2 294	102 308
1987	3 060	31	..	2 834	4 042	23 100	15 148	33 794	25 286	35 836[d]	550	9 320	2 320	155 321
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[a] Approximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 3% have an unknown cause.
[b] Includes other federal lands.
[c] Does not include limited protection zone, includes intensive protection zone only.
[d] As of 1986, data on value lost are no longer reported.
[e] Excludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.
[f] Does not include air tankers and rapattacks.

Nota: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S., Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Forestry Canada and unpublished figures 1984-1988.

I - 10. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
		1 000 000 m^3		
A. Insects				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34.8	9.7	-	44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
Total	44.0	18.5	-	62.5
B. Diseases				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	16.1	3.8	25.0	44.9
Total insects and diseases	60.1	22.3	25.0	107.4

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Forestry Canada.

I - 11. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES, 1977-1985[a]

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other[b]	Total[c]
						$000 000				
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.5	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
	1984	302.4	191.5	95.9	18.6	19.8	76.9	177.9	-	882.9
	1985	349.8	299.3	99.8	20.6	20.6	85.2	187.6	-	1 063.0
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5[c]	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6[c]	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1[c]	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3[c]	-	183.6
	1984	38.7	22.5	10.4	66.2	1.9	3.0	39.6	-	182.3
	1985	63.5	20.4	8.1	68.8	3.2	3.6	41.5	-	209.0
Industry	1977	16.1	18.6	161.0	-	..	..	..	25.1	220.8
	1979	21.9	20.9	193.2	-	..	..	..	42.0	278.0
	1981	43.0	26.3	162.8	-	..	..	..	87.4	319.5[b]
	1982	..	..	..	..	..	..	..	..	..
	1983	36.6	33.7	121.8	-	..	..	..	88.1	280.3
	1984	..	..	..	..	..	..	..	..	..
	1985	63.3	39.4	238.8	-	-	-	-	64.4	405.9
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	171.8	659.3
	1979	164.5	157.8	284.7	40.0	..	..	..	224.6	871.6
	1981	272.3	311.6	265.3	56.4	..	..	..	342.1	1 247.7
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	241.6	229.6	77.2	..	..	..	363.5	1 247.8
	1984	..	..	..	..	..	..	..	..	..
	1985	476.6	359.1	346.7	89.4	..	..	..	406.1	1 677.9

[a] 1977 for fiscal year 1977-1978...1985 for 1985-1986.
[b] Other expenditures in this case include the "inventory," "timber management," and "administrative and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.
[c] $8.1 million, $17.3 million, $8.9 million, $14.1 million, and $32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1985[a]

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
								$000 000								
A. Source																
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	**361.7**
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	**490.4**
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-	**785.5**
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-	**783.9**
	1985	12.3	2.1	18.4	34.0	66.8	191.0	278.2	7.8	16.5	68.5	92.8	434.5	1 063.0	-	**1 063.0**
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	**76.8**
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	**103.3**
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	**142.7**
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.5	27.1	**183.6**
	1985	17.0	2.7	9.5	16.3	45.5	67.4	39.5	2.7	3.0	8.9	14.6	20.8	155.5	21.2	**209.0**
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	**220.8**
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	**278.0**
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	**319.5**
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	**280.3**
	1985	7.7	-	10.3	16.8	34.8	41.3	37.1	2.7	1.4	19.0	23.1	269.6	405.9	-	**405.9**
B. Activity																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	**118.2**
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	**164.5**
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	**272.3**
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	**335.9**
	1985	10.3	2.9	16.5	23.5	53.2	113.3	116.1	5.6	5.6	15.0	26.2	167.8	476.6	-	**476.6**
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	**115.3**
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	**157.8**
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	**311.6**
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3	**241.6**
	1985	6.5	0.2	4.7	13.7	25.1	46.3	63.5	2.0	9.3	22.8	34.1	170.6	339.6	19.4	**359.1**
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	**216.8**
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	**284.7**
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	**265.3**
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.3	-	**229.6**
	1985	5.0	0.1	5.5	1.4	12.0	23.6	80.2	1.1	1.5	6.1	8.7	221.9	346.4	-	**346.4**

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE, ACTIVITY, AND PROVINCE, 1977-1985[a] (CONCLUDED)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
B. Activity (continued)								$000 000								
Research[b]	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.7	9.8	17.7	77.2	-	77.2
	1985	5.3	0.2	0.8	8.5	14.8	12.6	26.6	1.4	0.5	11.1	13.0	22.4	89.4	-	89.4
Other[c]	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7[d]	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9[d]	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8[d]	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
	1985	9.9	1.5	10.7	19.9	42.0	103.9[d]	68.3	3.1	3.8	41.5	48.4	142.1	372.4	1.8	406.1
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 247.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 247.8
	1985	37.0	4.9	38.2	67.0	147.1	299.7	354.7	13.2	20.7	96.5	130.4	724.8	1 656.7	21.2	1 677.9

[a] 1977 for fiscal year 1977-1978, ... 1985 for 1985-1986.
[b] Research expenditures include only provincial and federal estimates.
[c] Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.
[d] $8.1 million, $17.3 million, $8.9 million, $14.1 million, and $32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983 and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

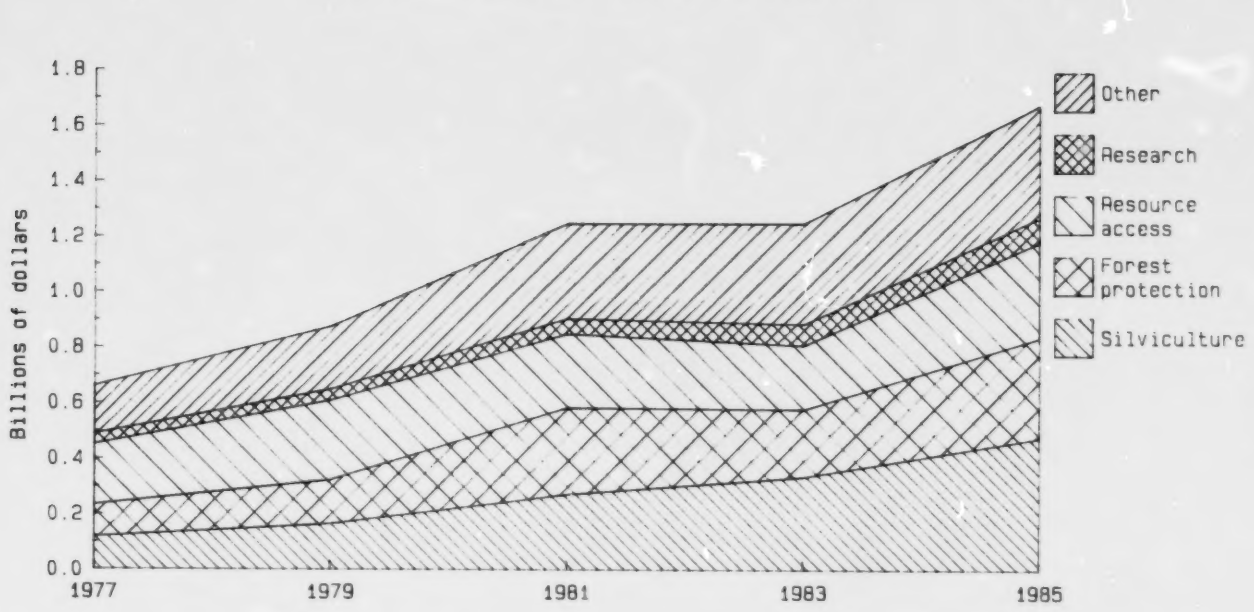

Figure 4. Public and industry expenditures on forest management by activity, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

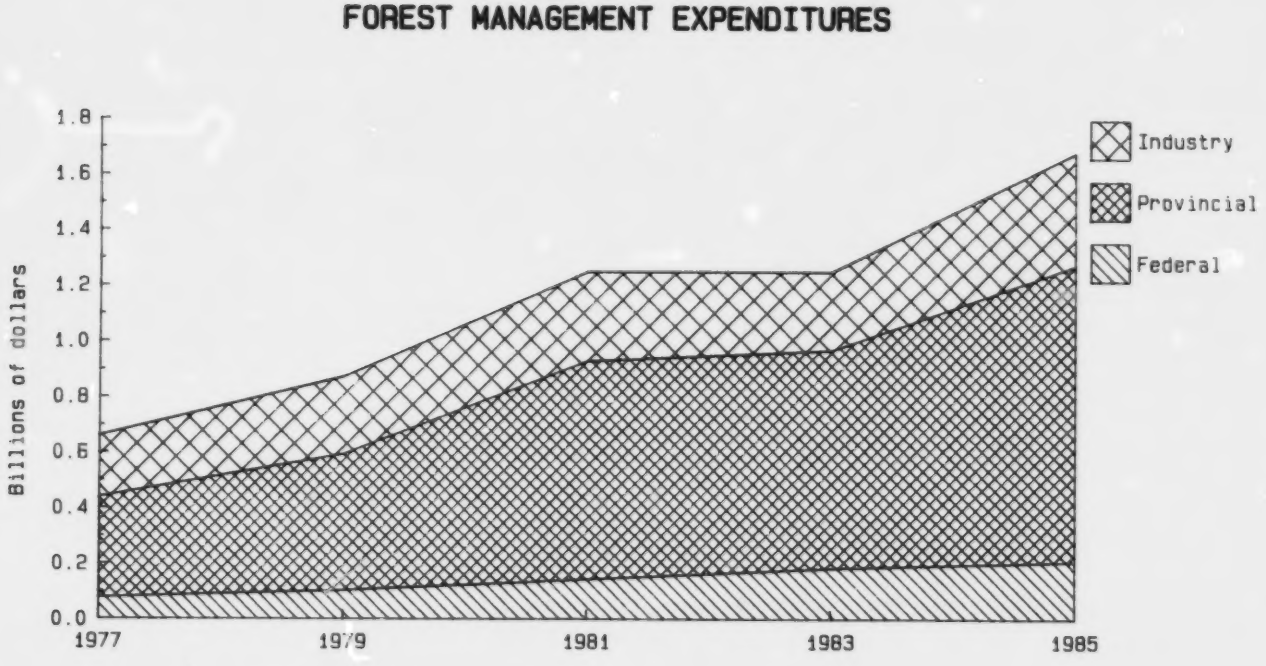

Figure 5. Public and industry expenditures on forest management by source, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

I - 13. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY SILVICULTURE ACTIVITIES AND PROVINCE, 1987[a]

Area/activity		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Site preparation and regeneration		7.2	2.5	17.4	15.7	158.9	54.1	1.8	7.3	5.1	58.8	328.7
Other silviculture treatments		6.0	1.3	15.4	9.2	23.5	24.7	1.6	0.3	6.3	45.6	133.8
Forest protection		-	-	-	-	-	0.5	0.8	-	-	-	1.3
Total		13.2	3.8	32.8	24.9	182.4	79.3	4.1	7.6	11.4	104.4	463.8
B. Source of expenditures by activity ($000)[d]												
Site preparation and regeneration	- Federal	2 558.9	790.3	4 048.7	2 692.0	24 461.4	11 944.0	760.7	581.4	15.9	14 907.8	62 761.2
	- Provincial	1 123.0	39.0	255.0	2 121.0	24 130.2	11 272.7	1 147.2	2 546.5	1 228.0	18 569.3	62 431.9
	- Total	3 681.9	829.3	4 303.7	4 813.0	48 591.6	23 216.7	1 907.9	3 128.0	1 243.9	33 477.1	125 193.1
Other silviculture treatments	- Federal	3 761.3	1 698.3	6 748.4	3 691.7	4 787.4	2 838.6	488.4	355.9	246.8	13 256.0	37 872.7
	- Provincial	1 650.7	150.9	763.8	3 038.8	4 684.5	6 321.0	269.4	29.5	525.8	11 570.4	29 044.8
	- Total	5 412.0	1 849.2	7 512.2	6 730.4	9 471.9	9 159.6	757.8	385.5	772.6	24 826.4	66 077.5
Forest protection	- Federal	202.7	-	-	-	-	11.4	-	177.1	45.4	-	436.7
	- Provincial	89.0	-	142.0	-	-	9.7	46.0	278.1	20.4	-	585.1
	- Total	291.7	-	142.0	-	-	21.0	46.0	455.2	65.9	-	1 021.8
Research and forest extention	- Federal	1 237.4	308.0	4 757.3	1 745.5	913.2	2 173.3	902.1	774.8	1 671.4	3 584.1	18 067.0
	- Provincial	543.0	42.0	8 290.6	1 862.8	2 791.3	1 107.5	1 308.7	237.5	797.8	3 383.6	20 364.7
	- Total	1 780.4	349.9	13 047.9	3 608.3	3 704.5	3 280.8	2 210.8	1 012.3	2 469.2	6 967.7	38 431.7
Other activities[e]	- Federal	893.0	576.3	1 963.9	442.0	1 589.7	863.7	236.8	497.8	653.4	3 305.8	11 022.3
	- Provincial	298.5	1 255.6	400.5	2.1	604.3	357.5	5.6	122.4	524.6	1 739.4	5 310.5
	- Total	1 191.4	1 831.8	2 364.4	444.1	2 194.0	1 221.2	242.4	620.2	1 177.9	5 045.2	16 332.8
Total activities[b]	- Federal	8 653.3	3 372.8	17 518.3	8 571.2	31 751.7	17 831.0	2 388.0	2 387.0	2 632.9	35 053.7	130 159.9
	- Provincial	3 704.1	1 487.5	9 851.9	7 024.6	32 210.2	19 068.3	2 776.9	3 214.1	3 096.6	35 262.7	117 696.9
	- Total	12 357.4	4 860.3	27 370.2	15 595.8	63 962.0	36 899.3	5 164.9	5 601.1	5 729.5	70 316.4	247 856.8

[a] Fiscal year 1987-1988.
[b] Total may not add up due to rounding.
[c] A hectare may be duplicated if it received more than one silviculture treatment.
[d] Actual costs per hectare may not be calculated as these costs in part B include indirect items.
[e] The category "Other activities" includes the expenditures related to administration, communication and evaluation.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 14. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY TENURE AND PROVINCE, 1987[a]

Area/tenure		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Provincial Crown lands		12.5	0.3	0.6	16.7	130.7	64.0	3.2	6.7	11.1	99.8	345.6
Federal and Indian lands		-	-	--	--	1.5	1.4	-	--	0.3	1.6	5.0
Private lands		0.7	3.5	32.1	8.1	50.2	13.9	-	0.1	-	2.9	111.6
Tenure not applicable		-	-	-	-	-	-	0.9	0.7	-	-	1.6
Total		**13.2**	**3.8**	**32.8**	**24.9**	**182.4**	**79.3**	**4.1**	**7.6**	**11.4**	**104.4**	**463.8**
B. Source of expenditures by tenure ($000)[d]												
Provincial Crown lands	- Federal	3 292.4	719.0	-	5 538.2	20 146.6	12 591.1	1 375.8	1 252.5	334.1	27 413.1	73 022.7
	- Provincial	1 444.9	227.0	312.0	6 629.5	22 035.4	17 049.2	2 768.4	3 187.2	2 772.5	33 340.4	89 766.5
	- Total	4 737.3	946.0	312.0	12 167.7	42 182.0	30 000.3	4 144.2	4 439.7	3 106.6	60 753.4	162 789.2
Federal and Indian lands	- Federal	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1	2 902.8
	- Provincial	-	-	-	-	-	-	-	-	-	-	-
	- Total	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1	2 902.8
Private lands	- Federal	265.5	1 127.9	11 025.7	2 836.0	9 570.6	1 856.0	-	46.0	-	1 073.9	27 801.6
	- Provincial	116.5	-	429.4	395.1	9 570.6	1 246.8	-	-	-	-	11 758.4
	- Total	382.0	1 127.9	11 455.1	3 231.2	19 141.2	3 102.8	-	46.0	-	1 073.9	39 560.0
Tenure not applicable	- Federal	5 095.4	1 525.9	6 446.1	147.7	1 589.7	2 344.3	1 012.2	1 040.9	2 164.9	5 065.6	26 432.8
	- Provincial	2 142.7	1 260.5	9 110.6	-	604.3	772.3	8.5	26.9	324.0	1 922.3	16 172.0
	- Total	7 238.2	2 786.4	15 556.7	147.7	2 194.0	3 116.6	1 020.7	1 067.8	2 489.0	6 987.9	42 604.8
Total[b]	- Federal	**8 653.3**	**3 372.8**	**17 518.3**	**8 571.1**	**31 751.7**	**17 831.0**	**2 388.0**	**2 387.0**	**2 632.9**	**35 053.7**	**130 159.9**
	- Provincial	**3 704.1**	**1 487.5**	**9 852.0**	**7 024.6**	**32 210.2**	**19 068.3**	**2 776.9**	**3 214.1**	**3 096.6**	**35 262.7**	**117 696.9**
	- Total	**12 357.5**	**4 860.3**	**27 370.3**	**15 595.8**	**63 962.0**	**36 899.3**	**5 164.9**	**5 601.1**	**5 729.5**	**70 316.4**	**247 856.8**

[a] Fiscal year 1987-1988.
[b] Total may not add up due to rounding.
[c] A hectare may be duplicated if it received more than one silviculture treatment.
[d] Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 15. FARM WOODLOTS BY PROVINCE, 1951-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farm[a]	%
A. Area of farm woodlots (1 000 ha)															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
1986	5	61	201	184	451	1 030	588	124	153	289	566	155	2 789	67 826	4.1
B. Number of farms reporting forest products sales[b]															
1980	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	...	...
1985	31	161	1 015	886	2 093	9 386	3 331	198	164	359	721	989	16 520	...	...
C. Value of sales ($000)															
1980	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	...	...
1985	117	438	5 526	6 142	12 223	31 303	12 120	1 334	1 194	2 091	4 619	13 461	73 727	...	...

[a] A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of $250 or more.

[b] Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture, 1986.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

II - 1. ESTIMATION OF ROUNDWOOD PRODUCTION IN CANADA BY CATEGORY AND SPECIES GROUP, 1950-1986

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
1950	40 095	32 311	1 700	74 106	..	..	..	..	11 509	..	..	85 615
1960	51 120	33 924	1 461	86 505	..	..	..	..	6 751	..	..	93 256
1970	75 711	40 335	1 236	117 282	109 143	8 140	1 527	2 610	4 137	110 669	10 750	121 419
1971	77 948	36 902	1 117	115 967	107 753	8 214	1 276	2 458	3 734	109 029	10 672	119 701
1972	81 211	38 428	1 109	120 748	111 331	9 417	1 196	2 187	3 383	112 526	11 604	124 131
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	130 853	12 952	143 806
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	125 724	12 204	137 928
1975	73 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	104 648	10 614	115 262
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	128 349	10 777	139 126
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	133 669	11 593	145 262
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	143 114	11 988	155 102
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	148 155	12 815	160 970
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	142 563	12 817	155 380
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	132 043	12 529	144 572
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	115 865	11 151	127 016
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	143 902	13 019	156 921
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	153 421	14 081	167 502
1985	119 336	40 601	2 048	161 985	152 655	9 330	1 837	4 832	6 669	154 492	14 162	168 654
1986	125 383	42 655	2 224	170 263	160 106	10 157	1 757	5 077	6 835	161 863	15 234	177 097

Source: Statistics Canada Cat. No. 25-201.

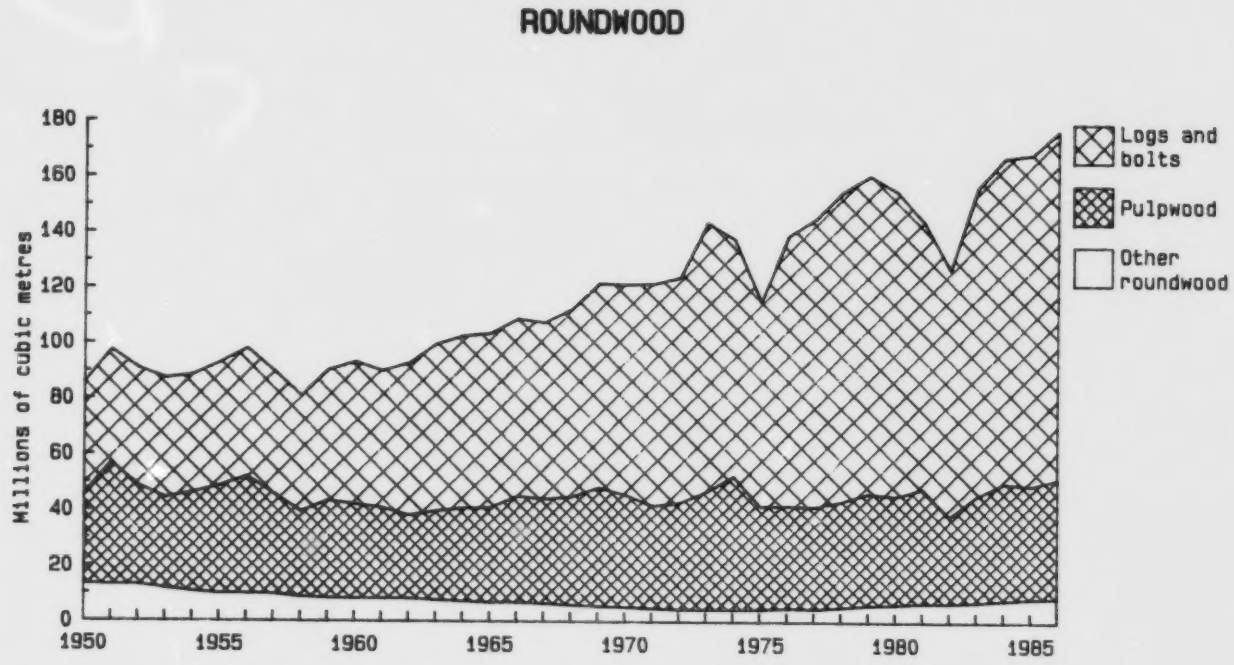

Figure 6. Roundwood production in Canada, 1950-1986.
Source: Statistics Canada, Cat. No. 25-201.

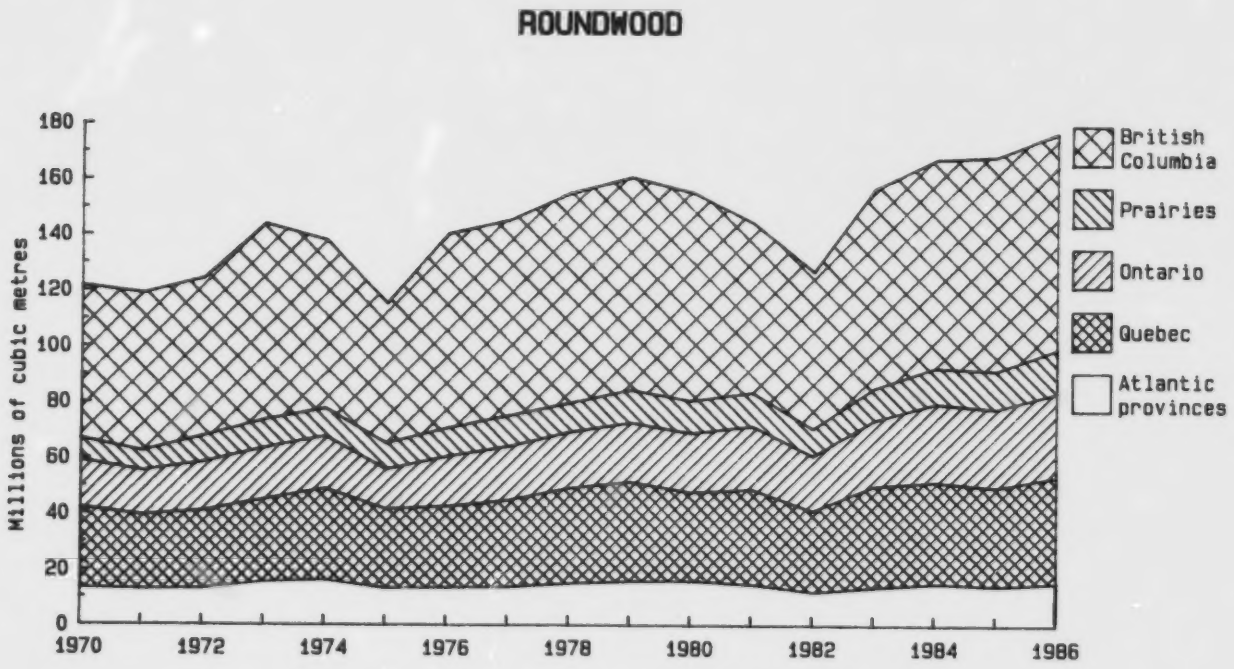

Figure 7. Roundwood production by region, 1970-1986.
Source: Statistics Canada, Cat. No. 25-201.

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Newfoundland												
1970	170	2 527	4	2 701	2 701	-	112	35	147	2 813	36	2 849
1971	151	2 013	4	2 168	2 165	3	125	31	156	2 290	34	2 324
1972	148	2 071	6	2 225	2 222	3	105	25	130	2 327	28	2 355
1973	241	2 563	7	2 811	2 808	3	108	34	142	2 915	37	2 952
1974	184	2 874	8	3 066	3 063	3	108	37	145	3 171	40	3 211
1975	147	2 195	6	2 348	2 345	3	79	25	104	2 424	28	2 452
1976	207	2 011	20	2 238	2 232	6	76	31	107	2 309	37	2 345
1977	230	1 875	8	2 113	2 110	3	62	20	82	2 172	23	2 195
1978	261	1 909	8	2 178	2 175	3	88	22	110	2 263	25	2 288
1979	269	1 968	17	2 254	2 248	6	202	25	227	2 450	31	2 481
1980	207	2 189	130	2 526	2 523	3	241	28	269	2 764	31	2 795
1981	261	1 903	8	2 172	2 169	3	356	40	396	2 525	43	2 568
1982	147	1 736	9	1 892	1 889	3	425	62	487	2 314	65	2 379
1983	293	1 697	5	1 995	1 989	6	379	55	434	2 368	61	2 429
1984	183	2 053	4	2 240	2 239	1	572	77	649	2 811	78	2 889
1985	183	1 760	8	1 951	1 950	1	490	68	558	2 440	69	2 509
1986	228	1 732	6	1 966	1 963	3	389	53	442	2 352	56	2 408
Prince Edward Island												
1970	68	109	10	187	186	1	34	23	57	220	24	245
1971	77	66	9	152	137	15	40	20	60	177	35	212
1972	67	66	5	138	134	4	31	20	51	165	24	188
1973	69	62	10	141	129	12	3	28	31	131	40	172
1974	83	62	8	153	148	5	6	31	37	154	36	190
1975	71	45	6	122	118	4	8	37	45	126	41	167
1976	68	48	6	122	116	6	8	34	42	125	40	165
1977	65	37	3	105	105	-	6	28	34	111	28	139
1978	71	45	6	122	122	-	6	31	37	128	31	159
1979	85	48	11	144	144	-	11	68	79	155	68	223
1980	91	91	11	193	184	9	14	71	85	198	80	278
1981	102	59	28	189	172	17	11	133	144	183	150	333
1982	68	48	9	125	116	9	17	133	150	133	142	275
1983	96	31	11	138	125	13	18	138	156	143	151	294
1984	84	42	-	126	121	5	72	215	287	193	220	413
1985	85	43	-	128	123	5	72	215	287	195	220	415
1986	114	46	-	160	153	7	79	237	316	232	244	476

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Nova Scotia												
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	2 904	320	3 224
1971	801	2 263	19	3 083	2 879	204	45	108	153	2 924	312	3 236
1972	953	2 144	16	3 133	2 832	301	40	105	145	2 851	405	3 257
1973	1 025	2 394	16	3 435	3 071	364	51	108	159	3 125	471	3 596
1974	1 021	2 792	14	3 827	3 420	407	42	127	169	3 462	534	3 996
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 115	424	3 539
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 019	436	3 455
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 288	388	3 676
1978	974	2 968	11	3 953	3 675	278	43	161	204	3 178	439	4 157
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	3 859	530	4 389
1980	960	3 310	11	4 281	3 757	524	62	201	263	3 819	725	4 544
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 409	577	3 986
1982	784	1 943	11	2 738	2 557	181	40	223	263	2 597	404	3 001
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	460	3 621
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	628	3 559
1985	954	2 190	-	3 144	2 915	229	46	250	296	2 961	479	3 440
1986	1 062	2 471	-	3 533	3 199	334	51	275	326	3 250	609	3 859
New Brunswick												
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	5 837	978	6 815
1971	1 778	4 913	24	6 715	5 794	921	19	171	190	5 813	1 091	6 905
1972	1 830	5 167	50	7 047	6 121	926	25	154	179	6 146	1 080	7 225
1973	2 418	6 258	37	8 713	7 181	1 532	20	136	156	7 200	1 668	8 868
1974	1 926	6 626	59	8 611	6 954	1 657	23	147	170	6 977	1 804	8 781
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	5 519	1 387	6 906
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	6 131	1 348	7 479
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	6 430	1 272	7 702
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	7 181	1 328	8 509
1979	2 322	6 088	85	8 495	7 277	1 218	34	221	255	7 311	1 439	8 750
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	7 056	1 331	8 387
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	6 561	1 234	7 795
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	5 281	1 039	6 320
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	6 221	1 221	7 442
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	7 214	1 164	8 378
1985	2 344	5 126	89	7 559	6 812	747	50	287	337	6 862	1 034	7 896
1986	2 542	5 745	93	8 380	7 552	828	51	289	340	7 603	1 117	8 720

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Quebec												
1970	8 778	17 740	251	26 769	23 272	3 497	906	1 223	2 129	24 179	4 720	28 999
1971	9 260	15 291	260	24 811	21 365	3 446	569	1 201	1 770	21 934	4 647	26 581
1972	10 534	15 350	271	26 155	21 933	4 222	586	1 104	1 690	22 501	5 326	27 827
1973	11 086	16 310	254	27 650	23 049	4 601	561	1 138	1 699	23 611	5 740	29 350
1974	12 204	18 548	275	31 027	27 459	3 568	538	1 147	1 685	27 997	4 715	32 712
1975	11 214	15 149	232	26 595	23 650	2 945	566	1 246	1 812	24 216	4 181	28 407
1976	13 309	13 598	311	27 218	23 990	3 228	566	1 274	1 840	24 556	4 502	29 058
1977	16 353	12 601	297	29 251	25 655	3 596	453	1 359	1 812	26 108	4 955	31 063
1978	18 576	13 096	396	32 068	28 571	3 497	510	1 501	2 011	29 081	4 998	34 079
1979	19 142	14 045	425	33 612	30 322	3 290	481	1 643	2 124	30 803	4 933	35 736
1980	16 848	12 318	453	29 620	26 505	3 115	368	1 699	2 067	26 873	4 814	31 687
1981	16 452	14 979	595	30 026	29 167	2 859	396	1 812	2 208	29 563	4 671	34 234
1982	15 787	10 316	793	26 896	24 522	2 374	368	1 869	2 237	24 890	4 243	29 133
1983	20 080	12 998	810	33 888	30 881	3 007	395	2 005	2 400	31 276	5 012	36 288
1984	18 712	14 329	944	33 985	31 242	2 743	456	2 078	2 534	31 698	4 821	36 519
1985	18 365	13 514	963	32 842	30 205	2 637	460	2 098	2 558	30 665	4 735	35 400
1986	20 531	14 002	993	32 526	32 674	2 852	468	2 133	2 601	33 142	4 985	38 127
Ontario												
1970	5 154	10 638	216	16 008	13 068	2 940	181	612	793	13 250	3 551	16 801
1971	5 380	9 472	208	15 060	12 172	2 888	229	549	778	12 401	3 438	15 839
1972	6 088	10 349	201	16 638	13 575	3 063	212	510	732	13 787	3 574	17 361
1973	6 357	11 142	203	17 702	14 658	3 044	215	527	742	14 875	3 571	18 446
1974	6 017	11 893	150	18 060	14 903	3 157	227	580	807	15 130	3 737	18 867
1975	5 267	7 929	142	13 337	10 760	2 577	241	637	878	11 001	3 214	14 215
1976	7 362	9 401	193	16 956	14 181	2 775	255	665	920	14 436	3 340	17 876
1977	7 915	10 306	156	18 377	15 107	3 270	198	694	892	15 305	3 964	19 269
1978	8 255	10 604	139	18 998	15 636	3 362	255	934	1 189	15 891	4 296	20 187
1979	9 132	10 769	133	20 034	16 098	3 936	297	963	1 260	16 395	4 899	21 294
1980	9 061	10 803	113	19 977	16 226	3 751	255	1 090	1 345	16 481	4 841	21 322
1981	8 707	12 105	127	20 939	17 683	3 256	382	1 487	1 869	18 065	4 743	22 808
1982	7 634	10 222	113	17 969	15 087	2 882	359	1 450	1 809	15 446	4 322	19 778
1983	9 008	12 450	107	21 565	18 112	3 453	431	1 740	2 171	18 543	5 193	23 736
1984	12 321	13 631	7	25 959	21 489	4 470	360	1 811	2 171	21 849	6 281	28 130
1985	12 238	13 805	7	26 050	21 675	4 375	360	1 815	2 175	22 035	6 190	28 225
1986	13 009	14 841	9	27 859	23 190	4 669	349	1 978	2 327	23 539	6 647	30 186

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Manitoba												
1970	314	664	91	1 075	929	146	100	84	184	1 029	230	1 260
1971	405	873	92	1 370	1 233	137	111	74	185	1 344	212	1 556
1972	581	954	115	1 654	1 481	173	108	74	182	1 589	246	1 835
1973	691	886	93	1 675	1 502	173	93	59	152	1 596	232	1 828
1974	510	1 321	105	1 936	1 816	120	91	74	165	1 907	194	2 101
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	184	2 022
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	170	1 742
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	164	1 784
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	195	1 803
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	213	1 903
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	204	2 335
1981	543	1 104	54	1 701	1 608	93	25	77	102	1 633	170	1 803
1982	527	790	57	1 374	1 283	91	28	96	124	1 311	187	1 498
1983	514	840	51	1 405	1 315	90	26	89	115	1 341	179	1 520
1984	333	1 202	47	1 582	1 486	96	116	-[b]	116	1 602	96	1 698
1985	480	1 065	48	1 593	1 470	123	124	..[b]	124	1 594	123	1 717
1986	604	927	59	1 590	1 476	114	113	..[b]	113	1 589	114	1 703
Saskatchewan												
1970	608	1 253	259	2 120	1 910	210	68	188	256	1 977	398	2 375
1971	597	1 231	212	2 040	1 802	238	65	187	252	1 867	425	2 292
1972	976	1 308	171	2 455	2 144	311	48	136	184	2 194	447	2 641
1973	944	1 356	174	2 474	2 188	286	54	190	244	2 242	477	2 718
1974	710	1 687	170	2 567	2 276	291	51	159	210	2 327	450	2 777
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	464	2 313
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	453	2 866
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	567	2 959
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	450	2 863
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	419	3 579
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	402	3 330
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	552	3 555
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	345	2 526
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	255	2 612
1984	1 145	1 323	125	2 593	2 436	157	70	63	133	2 506	220	2 726
1985	1 220	1 056	591	2 867	2 537	330	87	62	150	2 624	392	3 017
1986	1 433	1 193	713	3 339	2 966	373	113	77	190	3 079	450	3 529

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONCLUDED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Alberta												
1970	3 186	690	115	3 991	3 937	52	40	112	152	3 978	166	4 144
1971	3 101	779	99	3 979	3 910	69	42	117	159	3 952	186	4 138
1972	3 639	1 017	147	4 803	4 695	108	31	59	90	4 726	167	4 893
1973	3 956	1 402	134	5 492	5 430	62	31	76	107	5 460	139	5 599
1974	2 560	2 229	176	4 965	4 894	71	34	59	93	4 928	130	5 058
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 802	161	4 963
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 485	142	5 627
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 277	93	6 370
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 626	100	5 726
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 152	56	6 208
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 802	131	5 933
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 430	156	6 586
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 541	173	5 714
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 135	209	7 344
1984	6 557	1 715	86	8 358	7 827	531	57	42	99	7 884	573	8 457
1985	6 786	2 041	53	8 880	7 998	882	62	37	99	8 060	919	8 979
1986	8 556	1 698	44	10 298	9 321	977	54	35	89	9 375	1 012	10 387
British Columbia[a]												
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 399	327	54 726
1971	56 364	..	186	56 550	56 257	293	..	..	..	56 257	293	56 551
1972	56 338	..	114	56 452	56 146	306	..	..	..	56 146	306	56 451
1973	69 998	..	139	70 137	69 560	577	..	..	..	69 560	577	70 137
1974	59 975	..	111	60 086	59 525	561	..	..	..	59 525	561	60 086
1975	49 942	..	136	50 078	49 554	516	..	..	..	49 562	516	50 078
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 314	207	69 521
1977	69 823	..	147	69 970	69 834	136	..	..	..	69 384	136	69 971
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 037	127	75 164
1979	75 892	..	303	76 194	75 968	227	..	..	..	75 968	227	76 195
1980	74 247	..	407	74 654	74 396	258	..	..	..	74 396	258	74 654
1981	60 700	..	80	60 780	60 547	233	..	..	..	60 547	233	60 780
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 010	221	56 231
1983	71 320	..	123	71 443	71 162	281	..	..	..	71 162	281	71 443
1984	74 337	..	219	74 556	74 556	..[b]	..	..	..	74 556	..[b]	74 556
1985	76 622	..	246	76 868	76 868	..[b]	..	..	..	76 868	..[b]	76 868
1986	77 240	..	263	77 503	77 503	..[b]	..	..	..	77 503	..[b]	77 503

[a] Pulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II - 5 for more details.
[b] Included with softwoods.

Source: Statistics Canada Cat. No. 25-201.

II - 3. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1986

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia[a]	Other provinces	Canada
A. Quantity (1 000 m^3)							
1970	1 899	7 337	24 640	14 684	43 692	5 782	98 035
1971	1 941	7 429	22 290	13 672	43 661	4 983	93 976
1972	2 089	7 002	22 599	15 704	45 914	5 918	99 226
1973	2 553	9 005	21 868	15 731	53 224	7 128	109 509
1974	2 892	9 124	23 400	16 438	47 253	8 523	107 631
1975	2 236	7 094	21 451	11 583	35 460	7 400	85 224
1976	2 122	8 129	20 044	12 983	48 824	7 187	99 289
1977	2 363	7 717	19 850	14 802	49 112	6 386	100 230
1978	2 525	8 464	19 783	15 877	51 618	7 371	105 638
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 247	102 448
1985	3 953	8 084	16 084	18 533	46 626	7 192	100 472
1986	4 449	8 593	20 002	20 573	41 786	7 778	103 181
B. Value ($000 000)							
1970	17	73	307	184	475	61	1 118
1971	19	81	280	178	508	54	1 120
1972	21	79	290	205	599	70	1 265
1973	28	113	319	222	873	94	1 648
1974	39	131	394	281	846	132	1 823
1975	36	114	433	243	651	137	1 615
1976	36	143	448	307	995	149	2 078
1977	46	144	480	373	1 089	136	2 269
1978	50	165	511	428	1 281	163	2 597
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 485
1984	90	271	661	693	1 683	236	3 634
1985	97	249	616	714	1 686	232	3 594
1986	107	267	747	796	1 621	246	3 784

[a]For additional information on shipments of roundwood in British Columbia, see Section X.C.

Source: Statistics Canada Cat. No. 25-201.

II - 4. SHIPMENTS[a] OF ROUNDWOOD BY CATEGORY AND SPECIES GROUP, 1970-1986

Year	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
A. Quantity			1 000 m^3				1 000 t
1970	51 206	1 771	40 643	4 124	291	98 035	69
1971	52 059	1 692	36 050	3 895	281	93 976	22
1972	55 704	1 849	37 809	3 563	302	99 226	51
1973	63 706	1 896	39 003	4 607	297	109 509	37
1974	57 103	2 358	42 417	5 348	405	107 631	90
1975	45 137	1 414	36 053	2 198	422	85 224	124
1976	59 702	1 515	34 525	3 167	379	99 289	275
1977	62 105	1 717	32 432	3 635	341	100 230	318
1978	65 640	1 573	34 686	3 457	283	105 638	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	192
1981	60 495	1 401	37 359	4 286	512	104 053	211
1982	48 729	1 332	32 717	3 492	117[b]	86 387	482
1983	62 891	1 402	29 906	4 435	71[b]	98 704	643
1984	60 655[r]	2 271	33 155[r]	6 284	84[b]	102 449	516
1985	58 447	1 843	35 276	4 747	159[b]	100 472[c]	871
1986	60 107	1 803	35 743	5 368	160[b]	103 181[c]	1 138
B. Value ($000 000)							
1970	542	23	501	42	10	1 118	2
1971	588	23	458	41	10	1 120	--
1972	700	27	491	37	10	1 265	1
1973	998	31	555	56	8	1 648	1
1974	978	42	719	72	12	1 823	3
1975	795	31	737	38	14	1 615	4
1976	1 182	34	789	58	14	2 078	14
1977	1 332	41	811	72	13	2 269	19
1978	1 577	42	891	74	14	2 597	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	1 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 142[r]	70	1 220[r]	194	7	3 634	28
1985	2 092	67	1 277	146	12	3 594[c]	46
1986	2 231	64	1 313	164	12	3 784[c]	56

[a] For additional information on the discrepancies between production and shipments figures, see Section X.C.

[b] Other roundwood includes only poles and piling since 1982.

[c] Excluding $4 million of other roundwood in 1985 and $7 million in 1986.

Source: Statistics Canada Cat. No. 25-201.

II - 5. REPORTED ROUNDWOOD PRODUCTION ON FEDERAL LANDS BY AGENCY AND CATEGORY, 1987-1988

Agency/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
							1 000 m^3						
A. Yukon and N.W.T.	...	...	...	...	...	...	...	...	...	...	**243.8**	**67.2**	**311.0**
Logs and bolts	...	...	...	...	...	...	...	...	...	...	172.7	41.2	213.9
Pulpwood	...	...	...	...	...	...	...	...	...	...	-	-	-
Fuelwood	...	...	...	...	...	...	...	...	...	...	67.1	25.6	92.7
Other roundwood	...	...	...	...	...	...	...	...	...	...	4.0	0.4	4.4
B. Indian reserves	**-**	**0.2**	**0.5**	**27.0**	**135.9**	**124.0**	**10.1**	**27.5**	**-**	**371.1**	**-**	**-**	**696.2**
Logs and bolts	-	-	-	0.2	109.8	61.1	0.5	3.4	-	344.2	-	-	519.2
Pulpwood	-	-	0.5	26.8	24.9	27.7	-	2.0	-	21.9	-	-	103.7
Fuelwood	-	0.2	-	-	1.2	35.2	9.6	21.9	-	-	-	-	68.1
Other roundwood	-	-	-	-	-	-	0.1	0.1	-	5.0	-	-	5.2
C. National defence	**-**	**-**	**-**	**86.2**	**1.9**	**80.7**	**-**	**-**	**-**	**31.9**	**-**	**-**	**200.8**
Logs and bolts	-	-	-	14.7	1.6	58.9	-	-	-	31.9	-	-	107.0
Pulpwood	-	-	-	44.8	0.2	14.3	-	-	-	0.1	-	-	59.4
Fuelwood	-	-	-	10.7	0.1	7.5	-	-	-	-	-	-	18.3
Other roundwood	-	-	-	16.1	0.1	-	-	-	-	-	-	-	16.1
D. Forestry Canada	**-**	**-**	**-**	**10.2**	**-**	**7.0**	**-**	**-**	**-**	**-**	**-**	**-**	**17.2**
Logs and bolts	-	-	-	3.7	-	4.6	-	-	-	-	-	-	8.3
Pulpwood	-	-	-	3.5	-	1.1	-	-	-	-	-	-	4.5
Fuelwood	-	-	-	3.1	-	0.9	-	-	-	-	-	-	4.0
Other roundwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
E. Other	**-**	**-**	**-**	**-**	**-**	**0.8**	**2.2**	**-**	**150.1**	**12.4**	**-**	**-**	**165.6**
Logs and bolts	-	-	-	-	-	0.1	0.3	-	150.1	12.4	-	-	162.9
Pulpwood	-	-	-	-	-	0.3	1.9	-	-	-	-	-	2.2
Fuelwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Total	**-**	**0.2**	**0.5**	**123.4**	**137.8**	**212.5**	**12.4**	**27.5**	**150.1**	**415.4**	**243.8**	**67.2**	**1 390.8**
Logs and bolts	**-**	**-**	**-**	**18.5**	**111.4**	**124.7**	**0.8**	**3.4**	**150.1**	**388.5**	**172.7**	**41.2**	**1 011.4**
Pulpwood	**-**	**-**	**0.5**	**75.0**	**25.1**	**43.4**	**1.9**	**2.0**	**-**	**21.9**	**-**	**-**	**169.9**
Fuelwood	**-**	**0.2**	**-**	**13.8**	**1.3**	**44.0**	**9.6**	**21.9**	**-**	**-**	**67.1**	**25.6**	**183.6**
Other roundwood	**-**	**-**	**-**	**16.1**	**0.1**	**0.4**	**0.1**	**0.1**	**-**	**5.0**	**4.0**	**0.4**	**26.1**

Source: Special compilation, Forestry Canada.

II - 6. PULPWOOD PRODUCTION FOR DOMESTIC CONSUMPTION AND RECEIPTS OF WOOD RESIDUES BY DOMESTIC MILLS, 1970-1988

Year	Pulpwood production for domestic consumption						Receipts of wood residues by domestic mills			
		Receipts								
	Limit production[a]	at mill of purchased pulpwood (except B.C.)	of pulpwood by mills in B.C.[b]	Total	Imports of pulpwood (minus)	Pulpwood production for domestic consumption	Wood chips	Veneer cores, slabs and edgings, sawdust, shavings, etc.	Total wood residues	Total
	1 000 m^3									
1970	26 469	14 266	9 442	50 117	222	49 955	16 984	960	17 944	67 898
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249	20 480	65 077
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875	23 370	68 136
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911	27 547	79 610
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 569	30 976	90 355
1975	29 137	11 292	6 634	47 063	492	46 571	21 608	1 882	23 490	70 061
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552	34 019	76 761
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410	33 590	77 774
1978	27 930	12 092	6 037	46 059	618	45 441	33 489	2 766	36 255	81 696
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923	39 275	88 007
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768	39 974	89 826
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762	38 119	90 807
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643	33 346	74 684
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476	39 727	82 885
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157	41 121	88 712
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154	45 180	90 325
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403	46 664	92 147
1987	..	..	..	45 539	..	..	51 443	4 988	56 431	..
1988	..	..	..	46 805	..	..	51 519	4 753	56 272	..

[a] Limit production means the volume produced from an owner's freehold lands or leased lands.
[b] Data on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
								1 000 m^3					
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	68	20	548	656	2 633	1 484	82	159	726	12 518	14	18 907
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276
	Total	75	27	442	736	4 975	2 279	237	394	1 395	22 431	8	33 000
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465
	Total	119	34	471	702	5 563	2 671	185	394	1 901	24 597	7	36 644
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444
	Total	87	28	468	716	5 276	2 831	274	289	1 521	20 628	6	32 124
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	Total	113	38	448	935	7 572	3 828	250	488	1 631	29 570	14	44 887

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988 (CONCLUDED)

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
								1 000 m^3					
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	Total	118	40	492	1 059	8 119	4 150	270	444	1 622	30 357	28	46 700
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	Total	101	38	444	1 224	8 059	4 468	284	415	1 716	28 207	40	44 995
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	Total	79	42	403	924	7 384	4 181	222	452	1 945	24 547	32	40 217
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	Total	70	28	361	708	6 517	3 864	252	458	1 767	23 406	22	37 452
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
	Total	88	38	423	1 190	8 841	4 117	212	457	2 524	30 778	-	48 666
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
	Total	89	38	460	1 066	8 852	4 559	138	520	2 405	30 862	-	48 989
1985	Softwoods	35	11	378	1 244	9 482	4 502	163	482	2 687	32 116	-	51 099
	Hardwoods	12	-	49	60	438	445	4	-	-	3	-	1 010
	Total	47	11	426	1 304	9 920	4 946	167	482	2 687	32 119	-	52 109
1986	Softwoods	37	14	436	1 428	10 757	4 583	215	457	2 944	30 990	-	51 860
	Hardwoods	15	-	30	49	551	539	8	-	-	6	-	1 199
	Total	52	14	466	1 477	11 309	5 121	223	457	2 944	30 996	-	53 059
1987[a]	Softwoods	x	x	533	1 680	12 035	5 066	275	452	3 516	37 488	-	61 045
	Hardwoods	x	x	6	61	367	427	16	-	72	4	-	953
	Total	x	x	539	1 741	12 401	5 493	292	452	3 587	37 492	-	61 998
1988[a]	Softwoods	x	x	624	1 669	11 179	5 021	219	429	3 737	36 747	-	59 623
	Hardwoods	x	x	7	70	382	430	16	-	76	4	-	986
	Total	x	x	631	1 739	11 561	5 451	235	429	3 813	36 750	-	60 610

[a]1950-1986 data from the annual census of manufactures, 1987-1988 data from the monthly survey.

Source: Statistics Canada Cat. No. 35-204, 35-250, 35-003, and 35-002.

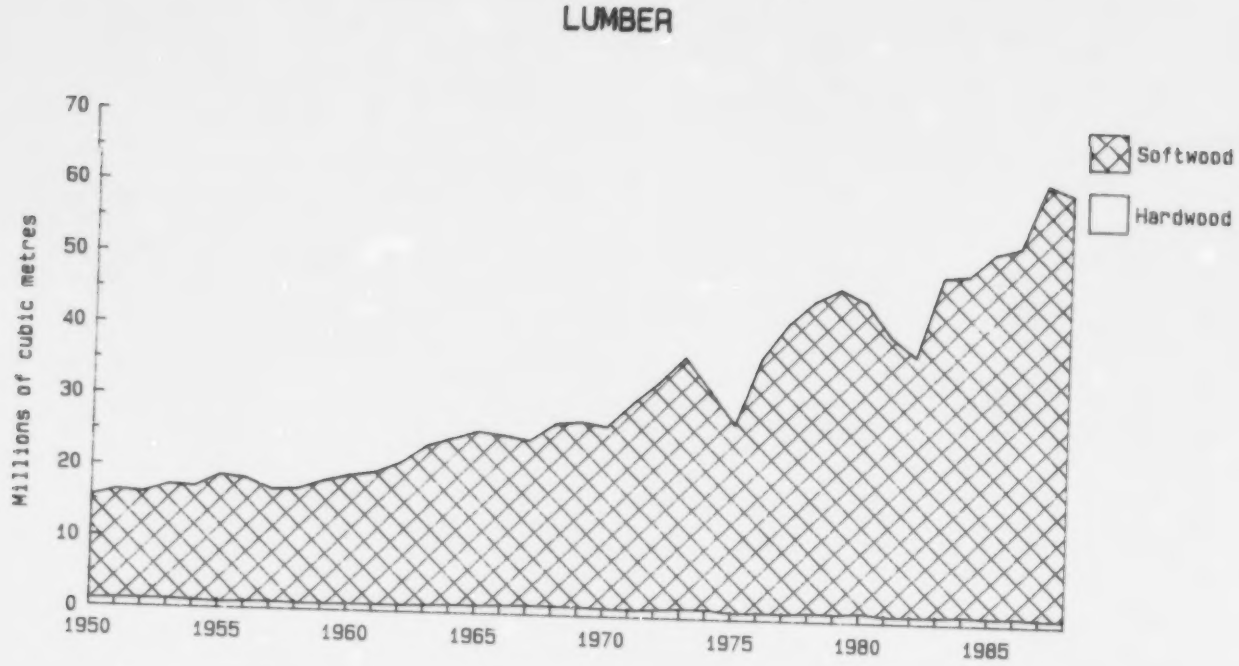

Figure 8. Lumber production in Canada, 1950-1988.
Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

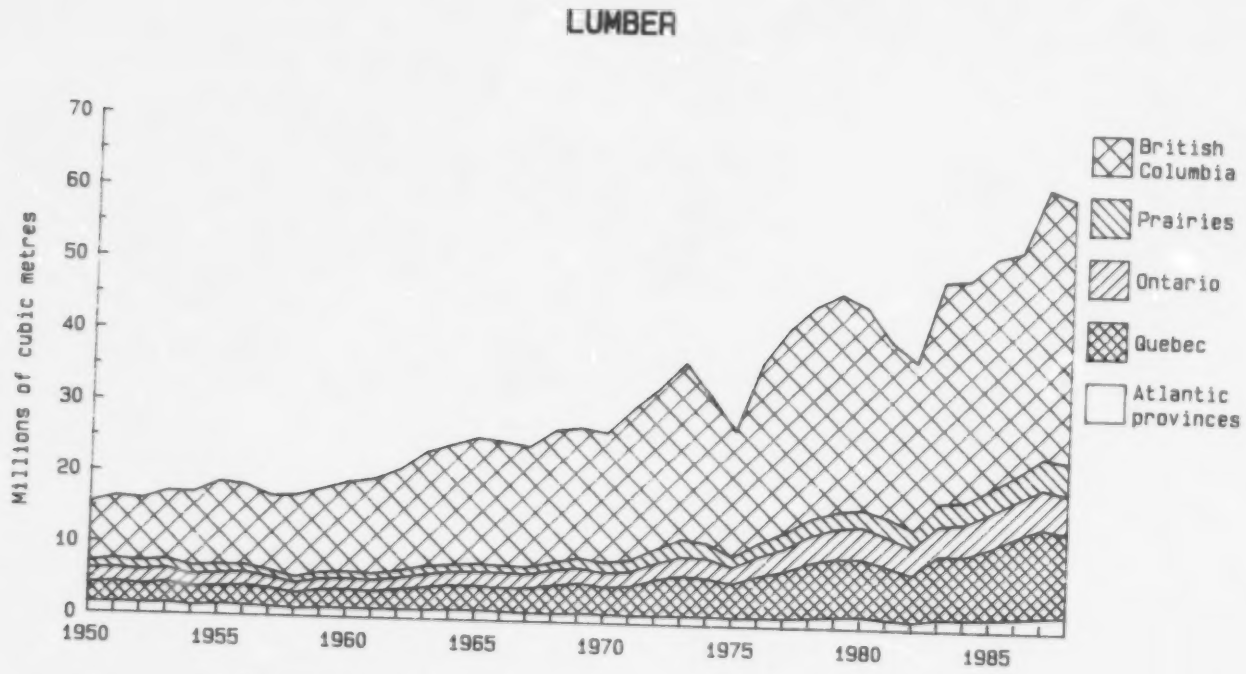

Figure 9. Lumber production by region, 1950-1988.
Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

II - 8. SHIPMENTS OF HARDWOOD LUMBER[a] BY SPECIES GROUP, 1970-1986

Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other[b]	Total hardwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1971	403	283	23	46	33	33	-	9	14	210	1 021	29 810
1972	508	305	29	86	40	37	24	-	17	151	1 197	33 167
1973	519	315	45	148	32	47	31	12	21	189	1 359	34 691
1974	505	246	20	108	29	37	39	15	21	111	1 131	30 999
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 098
1983	211	149	24	162	1	21	13	6	39	43	668	44 772
1984	228	138	36	148	1	19	13	6	52	83	724	46 802
1985	422e	155	44e	227	x	..	23e	26e	115e	51	1 099[c]	52 452e
1986	301	253	93	237	x	63	31	28	170	x	1 240e	52 692e
B. Value ($000 000)												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1971	26	16	1	1	2	2	-	1	1	7	57	1 159
1972	39	22	2	3	3	2	1	-	1	8	81	1 632
1973	43	26	3	7	2	3	2	1	2	11	100	2 227
1974	43	22	1	5	2	3	3	1	2	9	92	1 878
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 104
1983	32	25	3	14	--	3	2	1	8	5	94	4 598
1984	36	24	5	17	--	3	2	1	10	16	115	4 736
1985	73e	28	7	28	x	6e	4	5	36e	10	197[d]	5 484e
1986	53	45	13	29	x	9	5	6	51	x	223e	6 019e

[a] As reported by sawmills and planing mills.
[b] Including red alder in some cases.
[c] Including elm and basswood (or approximately 36 000 m^3).
[d] Including elm (or approximately $1 000 000).

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 9. SHIPMENTS OF SOFTWOOD LUMBER[a] BY SPECIES GROUP, 1970-1986

Year	Spruce	Hemlock	Douglas-fir	Cedar	Jack and lodgepole p...	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799	25 857
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	28 789	29 810
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	31 970	33 167
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	33 331	34 691
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	29 869	30 999
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113	25 917
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885	33 693
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 235	39 014
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	41 137	41 980
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	42 009	42 948
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515	40 348
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438	39 180
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	34 563	35 098
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	44 104	44 772
1984	31 058	5 370	2 807	3 078	2 185	649	149	560	166	56	46 078	46 802
1985	35 753	5 587	2 753	3 333[b]	2 073	823e	164e	650	217	..	51 353	52 452e
1986	36 114	5 511	2 408	2 960	2 398	729	240	762	247	83e	51 452e	52 692e
B. Value ($000 000)												
1970	333	168	146	92	54	26	4	17	3	27	870	925
1971	463	206	173	110	77	30	3	19	2	19	1 102	1 159
1972	735	259	205	142	120	38	4	26	-	22	1 551	1 632
1973	985	402	247	207	168	49	6	27	15	21	2 127	2 227
1974	823	335	203	191	134	48	8	20	15	8	1 785	1 878
1975	694	216	150	158	115	36	5	16	9	9	1 408	1 473
1976	1 007	385	219	272	162	45	9	13	13	9	2 134	2 203
1977	1 381	552	263	332	243	54	7	23	18	16	2 889	2 960
1978	1 810	663	319	436	394	81	10	30	24	9	3 776	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 551	4 667
1980	1 831	742	322	420	383	83	11	58	28	16	3 894	4 005
1981	1 749	532	264	412	359	84	15	67	31	8	3 521	3 623
1982	1 475	478	207	388	281	77	26	71	25	6	3 034	3 106
1983	2 360	628	270	577	401	96	11	89	38	34	4 504	4 598
1984	2 735	589	286	588	199	109	20	55	34	5	4 620	4 736
1985	3 228	655	306	616	196	141	23e	62	50	..	5 287e	5 287e
1986	3 550	752	285	605	249	126	35	74	87	33	5 796	6 019e

[a] As reported by sawmills and planing mills.
[b] Including shingles and shakes.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 10. SHIPMENTS OF SOFTWOOD LUMBER[a] BY PROVINCE, 1970-1984

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Quantity (1 000 m^3)											
1970	46[a]	4	398	594	3 089	1 244	61[a]	222[a]	1 149[a]	18 009	**24 799**
1971	36[a]	3	384	652	3 852	1 445	116[a]	309[a]	1 290[a]	20 693	**28 789**
1972	55[a]	3	384	718	4 563	1 558	153[a]	387[a]	1 444[a]	22 770	**31 970**
1973	45[a]	2	368	628	4 936	1 836	148	456[a]	1 455[a]	23 514	**33 331**
1974	x	-	304	593	4 516	1 794	227[a]	321[a]	1 199[a]	20 920	**29 869**
1975	17	-	289	592	4 333	1 502	146[a]	354[a]	1 017[a]	16 874	**25 113**
1976	9	-	281	686	5 111	1 665	155[a]	347[a]	1 207[a]	23 437	**32 885**
1977	5	-	300	683	6 208	2 062	175[a]	469[a]	1 435[a]	26 920[a]	**38 235**
1978	x	-	334	825	7 088	2 464	191[a]	472[a]	1 466[a]	28 301[a]	**41 137**
1979	21	x	323	978	7 315	2 869	210	450[a]	1 547[a]	28 283[a]	**42 009**
1980	12	x	260	928	7 013	2 833	198	344[a]	1 519	26 399[a]	**39 515**
1981	-	x	253	888	6 947	3 058	215[a]	423[a]	1 783	24 867[a]	**38 438**
1982	x	x	229	584	5 956	2 584	164[a]	387[a]	1 701	22 954[a]	**34 563**
1983	x	x	258	887	7 705	3 141	153[a]	442	2 348	29 167	**44 104**
1984	x	x	273	968	8 117	3 553	135[a]	481	2 683	29 859	**46 078**
B. Value ($000 000)											
1970	2[a]	--	16	23	107	48	2[a]	7[a]	34[a]	632	**870**
1971	2[a]	--	16	27	138	59	4[a]	12[a]	43[a]	801	**1 102**
1972	2[a]	--	19	35	209	80	7[a]	19[a]	66[a]	1 115	**1 551**
1973	3[a]	--	24	44	276	121	9	24[a]	84[a]	1 545	**2 127**
1974	x	-	22	41	250	111	12	15[a]	57[a]	1 277	**1 785**
1975	1	-	22	39	232	91	10[a]	17[a]	49[a]	949	**1 408**
1976	1	-	23	46	302	110	10[a]	19[a]	68[a]	1 556	**2 134**
1977	1	-	26	49	397	155	12[a]	33[a]	95[a]	2 121[a]	**2 889**
1978	x	-	32	69	543	232	16[a]	39[a]	121[a]	2 724[a]	**3 776**
1979	2	x	36	93	645	287	22	39[a]	136[a]	3 289[a]	**4 551**
1980	1	x	32	92	589	263	17	26[a]	112	2 762[a]	**3 894**
1981	-	x	31	84	571	289	18[a]	32[a]	131	2 364[a]	**3 521**
1982	x	x	27	53	470	240	14[a]	27[a]	113	2 089[a]	**3 034**
1983	x	x	34	88	702	329	16[a]	40	201	3 092	**4 504**
1984	x	x	39	95	778	373	15[a]	42	221	3 057	**4 620**

[a]Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Source: Statistics Canada Cat. No. 35-204.

II - 11. SHIPMENTS OF LUMBER FROM PROVINCE OF ORIGIN TO POINT OF DESTINATION,[a] 1982-1988

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
			1 000 m^3			
A. Canada						
1982	3 228	1 541	1 011	6 645	847	13 272
1983	4 277	1 977	955	8 103	1 052	16 364
1984	4 726	1 994	2 731	8 837	1 048	19 336
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
1987	6 122	3 015	2 289	11 192	1 359	23 977
1988	5 525	x	2 933	10 388	4 506[b]	23 352
B. United States						
1982	2 123	x	763	12 149	1 677[b]	16 712
1983	2 720	x	1 034	16 781	2 108[b]	22 643
1984	3 008	1 852	22	17 381	639	22 902
1985	3 149	x	257	18 486	2 795[b]	24 687
1986	3 225	x	171	17 370	2 685[b]	23 451
1987	x	x	1 298	19 979	5 178[c]	26 455
1988	2 910	x	880	19 112	1 868[b]	24 770
C. Other countries						
1982	417	x	-	4 377	231[b]	5 025
1983	345	x	-	4 354	139[b]	4 838
1984	338	22	-	4 040	161	4 561
1985	116	x	-	3 810	78[b]	4 004
1986	176	x	-	3 822	155[b]	4 153
1987	x	x	-	5 739	442[c]	6 181
1988	x	x	-	6 142	712[c]	6 854
D. Estimated shipments and adjustments[d]						
1982	1 052	1 064	-	1 152	258	3 526
1983	1 168	739	-	970	407	3 284
1984	745	1 044	-	607	491	2 887
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
1987	2 268	960	-	679	595	4 502
1988	2 511	912	-	979	869	5 271
E. Total shipments[e]						
1982	6 821	3 945[b]	1 774	24 323	1 672	38 535
1983	8 510	4 303[b]	1 989	30 208	2 119	47 129
1984	8 817	4 913	2 753	30 864	2 339	49 686
1985	10 603	5 417	2 882	33 221	2 669	54 792
1986	11 207	6 012	3 189	31 467	2 914	54 789
1987	11 719	5 856	3 587	37 592	3 026	61 780
1988	10 861	5 906	3 812	36 623	3 031	60 233

[a] Census of manufactures monthly survey.
[b] Including confidential figures for Ontario.
[c] Including confidential figures for Ontario and Quebec.
[d] Sawmills in Nova Scotia producing less than 2 360 m^3, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m^3 per year, and sawmills in British Columbia producing less than 7 080 m^3 per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.
[e] Benchmark revisions as of May 1989 for the years 1985-1988.

Source: Statistics Canada Cat. No. 35-002 and 35-003.

II - 12. WOOD PULP PRODUCTION BY CATEGORY, 1950-1988[a]

Year	Chemical						Mechanical		Screenings chemical and mechanical	Pulp other than wood pulp	Total
	Dissolving and special alpha, sulphite, and sulphate	Sulphite		Sulphate			Semi-chemical	Groundwood	Defibrated and exploded			
		Bleached	Unbleached	Bleached	Semibleached	Unbleached					
	1 000 t										
1950	305	386	1 315	408	..[b]	548	..	4 455	..	96	174	7 688
1960	356	519	1 559	1 062	257	895	..	5 335	143	66	205	10 398
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	16 610
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	16 543
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	17 453
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	18 564
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	62	-	19 679
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	28	-	15 113
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	41	-	17 946
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	34	-	18 168
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	44	-	20 152
1979	311	478	1 806	6 282	1 038	2 061	354	7 956	397	45	-	20 728
1980	313	405	1 763	6 754	1 182	1 689	333	7 521	..	25	-	19 985
1981	274	430	1 819	6 261	1 057	1 497	322	7 647	..	19	-	19 326
1982	220	280	1 446	5 915	916	1 235	255	6 879	..	18	-	17 164
1983	216	304	1 353	6 743	1 019	1 486	306	7 934	..	15	-	19 376
1984	221	366	1 405	6 782	1 065	1 469	331	8 690	..	17	-	20 346
1985	222	329	1 269	7 047	1 170	1 383	258	8 722	..	17	-	20 417
1986	223	428	1 248	7 623	1 188	1 410	321	9 252	..	19	-	21 712
1987	241	454	1 296	8 211	1 169	1 474	353	9 820	..	17	-	23 035
1988[c]	..	..	..	..	..	..	..	..	..	..	..	23 367

[a] Figures for the period 1980-1987 were revised in 1988.
[b] Included with sulphate-bleached wood pulp.
[c] Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

II - 13. WOOD PULP PRODUCTION BY REGION, 1950-1988

Year	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
1950	3 559	2 085	705	1 339	7 688
1960	4 055	2 692	1 927	1 725	10 398
1970	5 898	3 601	4 100	3 011	16 610
1971	5 666	3 447	4 409	3 020	16 543
1972	5 893	3 572	4 576	3 412	17 453
1973	5 591	3 669	5 337	3 966	18 564
1974	6 353	3 877	5 267	4 182	19 679
1975	5 198	2 540	3 998	3 376	15 113
1976	5 882	3 060	5 320	3 685	17 946
1977	5 860	3 662	4 831	3 815	18 168
1978	6 632	4 127	5 426	3 968	20 152
1979	6 869	4 322	5 523	4 014	20 728
1980	6 109	4 101	5 727	4 048	19 985
1981	6 458	4 095	4 830	3 943	19 326
1982	5 759	3 453	4 814	3 138	17 164
1983	6 277	3 862	5 699	3 538	19 376
1984	6 538	4 243	5 367	4 198	20 346
1985	6 331	4 097	6 024	3 965	20 417
1986	6 854	4 258	6 345	4 255	21 712
1987	7 208	4 372	7 035	4 420	23 035
1988[a]	7 491	4 447	7 001	4 428	23 367

[a]Canadian Pulp and Paper Association, monthly survey.

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

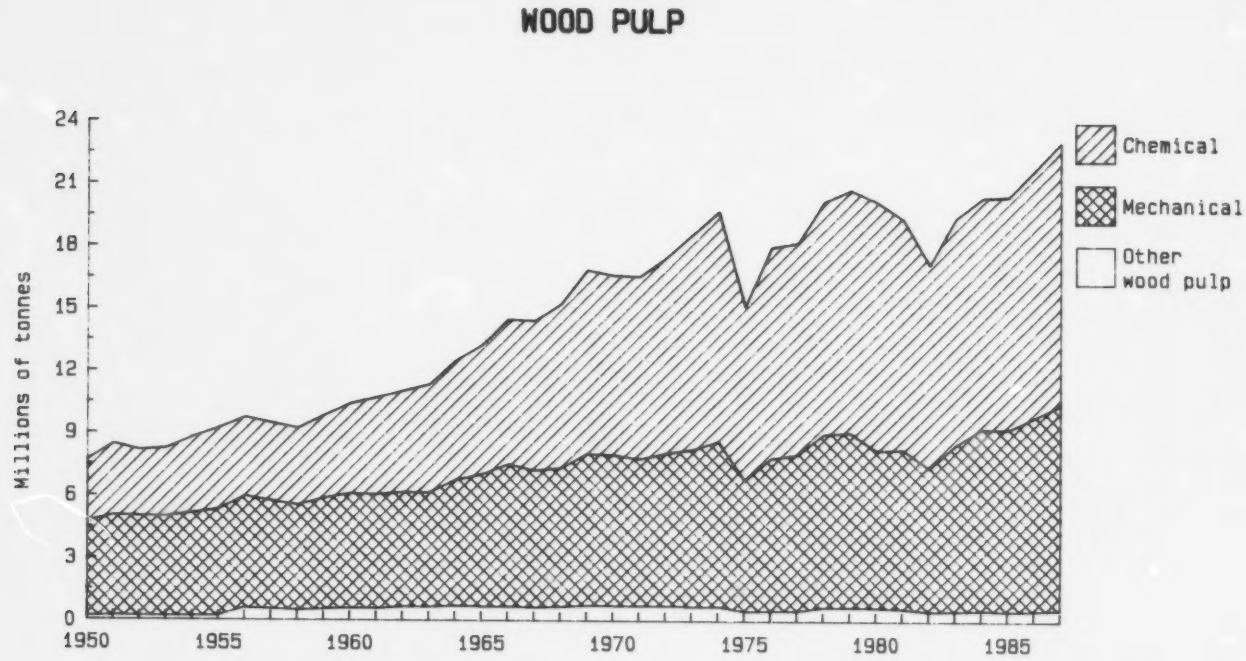

Figure 10. Wood pulp production in Canada, 1950-1987.
Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

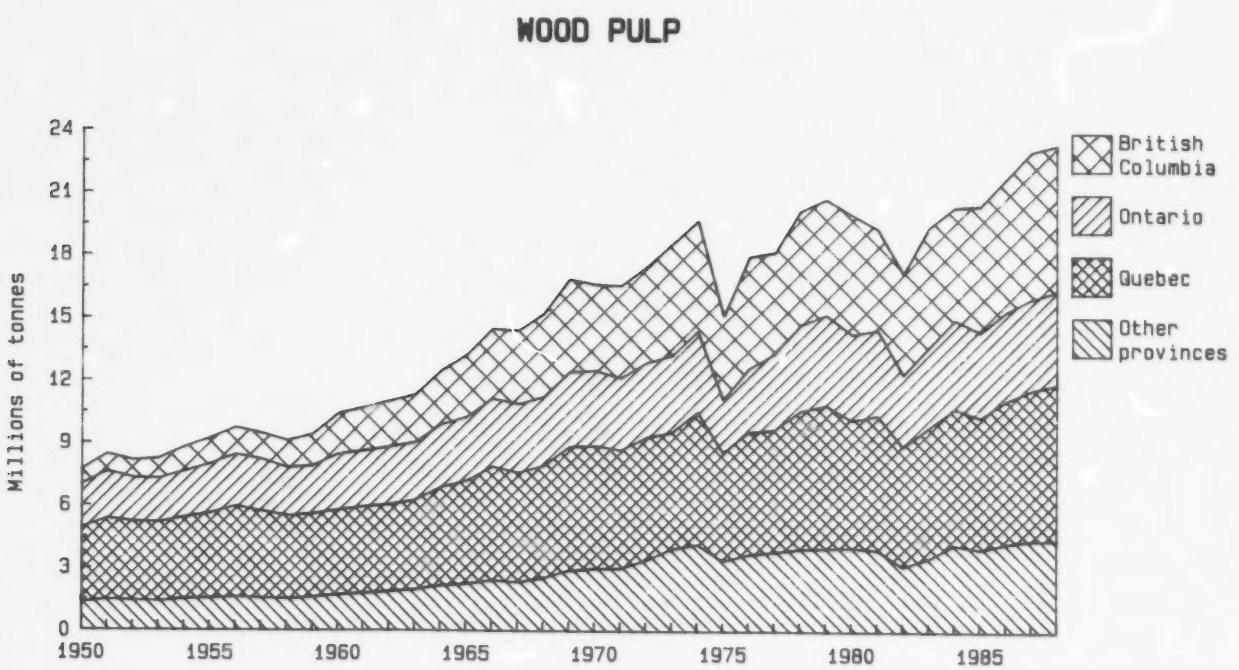

Figure 11. Wood pulp production by region, 1950-1988.
Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 14. SHIPMENTS OF WOOD PULP BY CATEGORY, 1960-1988

Year	Chemical					Mechanical	Total
	Dissolving and special alpha	Sulphite		Sulphate				
		Bleached	Unbleached	Bleached	Semibleached	Unbleached		
A. Quantity (1 000 t)								
1960	347	416	226	996	151	347	314	2 798
1970	394	555	238	3 437	706	413	304	6 046
1971	394	460	173	3 418	428	707	243	5 823
1972	369	460	163	4 248	716	481	260	6 698
1973	296	460	208	4 760	696	494	287	7 200
1974	330	679	206	5 013	685	401	288	7 603
1975	210	462	105	3 853	467	329	224	5 650
1976	214	559	132	4 757	552	288	266	6 769
1977	228	596	107	4 879	663	305	288	7 066
1978	324	492	120	5 764	704	293	323	8 021
1979	324	441	133	5 890	645	292	364	8 089
1980	272	400	133	6 132	671	233	325	8 165
1981	266	406	115	5 874	604	245	327	7 836
1982	220	370	82	5 403	513	186	280	7 012
1983	x	353	x[a]	6 377	591	198	477	8 299[b]
1984	x	331	x[a]	6 397	540	165	653	8 281[b]
1985	x	422	x[a]	6 785	630	x	583	8 696[b]
1986	x	475	x[a]	7 462	619	x	682	9 510[b]
1987	..	..	..	..	..	..	..	10 027[b]
1988[c]	..	..	..	..	..	..	..	9 862
B. Value ($000 000)								
1960	59	61	27	145	17	33	26	369
1970	77	86	32	544	102	52	21	913
1971	77	72	24	532	53	105	16	878
1972	73	69	21	636	102	58	18	976
1973	62	90	38	878	128	82	24	1 301
1974	110	212	64	1 463	198	108	51	2 205
1975	87	161	31	1 392	168	101	43	1 983
1976	85	181	35	1 625	196	85	48	2 255
1977	95	190	29	1 595	231	81	50	2 271
1978	137	154	33	1 785	218	78	57	2 462
1979	158	182	47	2 445	268	103	85	3 288
1980	166	201	56	3 176	349	103	89	4 141
1981	170	206	50	3 057	319	117	86	4 005
1982	144	143	33	2 651	253	86	74	3 384
1983	x	164	x[a]	2 775	254	72	128	3 519
1984	x	156	x[a]	3 410	289	79	201	4 309
1985	x	198	x[a]	3 090	279	x	184	3 964
1986	x	255	x[a]	3 747	318	x	237	4 786

[a] Unbleached included with bleached.
[b] Canadian Pulp and Paper Association.
[c] Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

II - 15. SHIPMENTS OF WOOD PULP FROM PROVINCE OF ORIGIN TO POINT OF DESTINATION, 1980-1988

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
1987	641	459	273	401	1 773
1988	602	430	302	371	1 705
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	672	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
1987	427	1 006	896	1 253	3 582
1988	427	1 049	947	1 264	3 686
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
1987	309	161	3 272	739	4 481
1988	334	155	3 251	732	4 471
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311
1987	1 376	1 626	4 441	2 394	9 837
1988	1 363	1 634	4 499	2 366	9 862

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 16. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY, 1950-1988

Year	Newsprint	Book and writing	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paper-board	Total
				1 000 t				
1950	4 825	194	59	11	202	83	796	6 180
1960	6 068	366	113	22	292	75	1 159	8 095
1970	7 996	821	199	19	438	101	1 678	11 252
1971	7 733	844	244	18	490	133	1 698	11 161
1972	8 079	881	262	21	542	156	1 941	11 882
1973	8 357	892	271	22	610	149	2 282	12 583
1974	8 710	1 056	302	25	643	143	2 338	13 219
1975	7 010	679	241	37	431	146	1 542	10 066
1976	8 063	842	288	16	526	149	1 908	11 791
1977	8 066	1 116	292	19	556	143	1 944	12 136
1978	8 739	1 377	314	17	628	129	2 171	13 376
1979	8 642	1 606	343	19	617	125	2 290	13 641
1980	8 625	1 509	377	..	533	..	2 344	13 388
1981	8 946	1 432	388	..	490	..	2 347	13 603
1982	8 109	1 475	375	..	454	..	1 982	12 395
1983	8 486	1 723	385	..	472	..	2 286	13 352
1984	9 013	1 943	399	..	430	..	2 440	14 225
1985	8 938	2 143	447[a]	..	487	..	2 374	14 439
1986	9 288	2 400	459[a]	..	541	..	2 573	15 261
1987	9 673	2 656	456[a]	..	567	..	2 695	16 046
1988[b]	9 969	..	..	..	..	..	..	16 640

[a] Including tissue, other than sanitary.
[b] Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

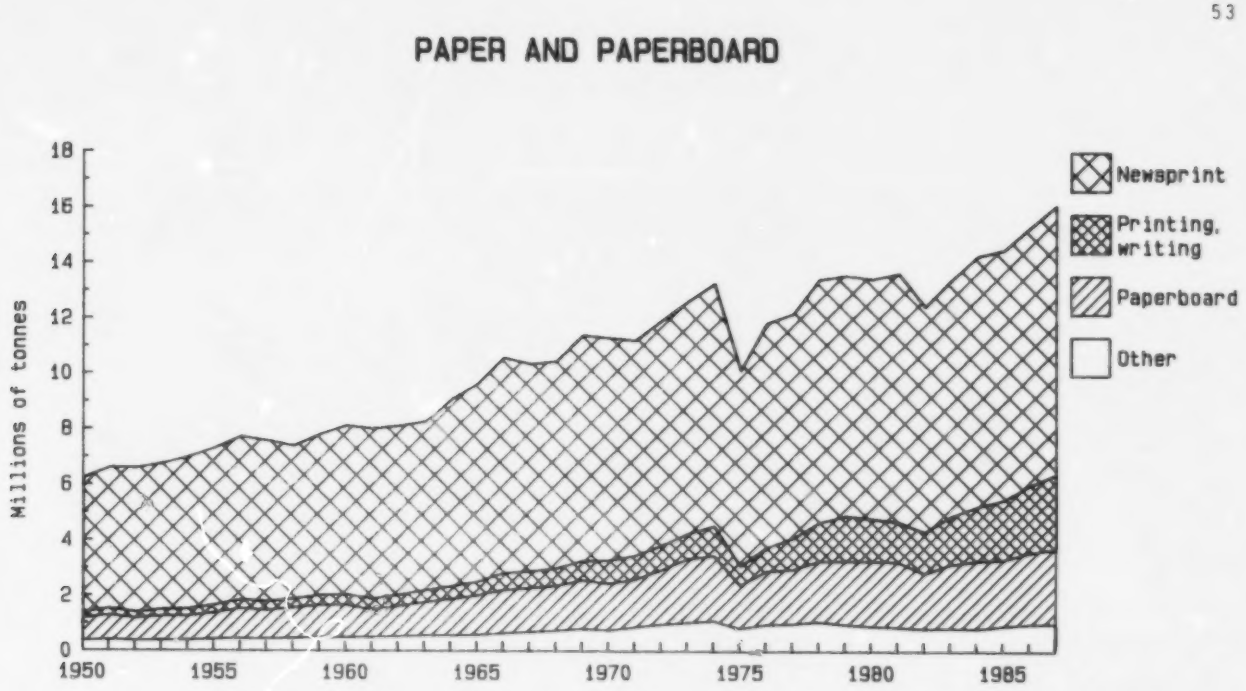

Figure 12. Basic paper and paperboard production in Canada, 1950-1987.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

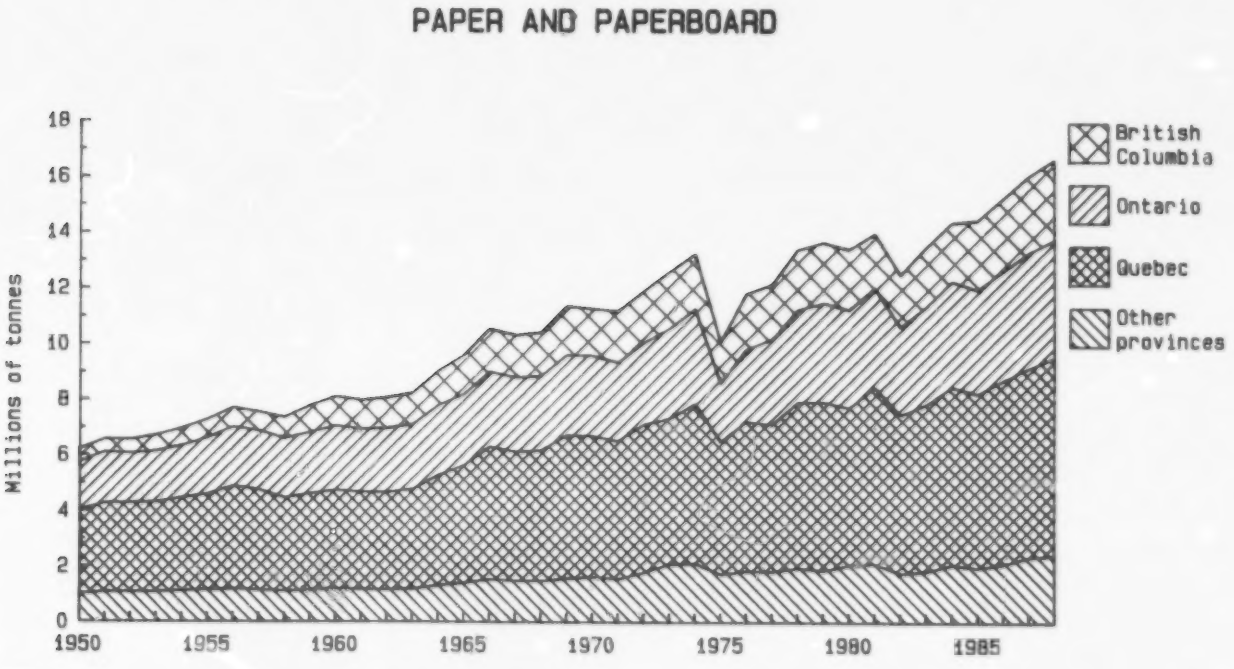

Figure 13. Basic paper and paperboard production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 17. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY AND REGION, 1950-1988

Year	Quebec			Ontario			British Columbia	Other provinces	Canada		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Total paper and paperboard	Total paper and paperboard	Newsprint	Other paper and paperboard	Total
						1 000 t					
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	6 180
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	6 068	2 027	8 095
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	11 252
1971	3 609	1 348	4 957	1 609	1 220	2 830	1 826	1 545	7 733	3 428	11 161
1972	3 793	1 529	5 322	1 625	1 310	2 935	1 834	1 791	8 079	3 803	11 882
1973	3 671	1 559	5 230	1 769	1 464	3 233	2 029	2 093	8 357	4 226	12 583
1974	4 079	1 657	5 736	1 778	1 626	3 404	1 952	2 128	8 710	4 508	13 219
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	10 066
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	11 791
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 066	4 070	12 136
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 63.	13 376
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	8 642	4 999	13 641
1980	3 800	1 853	5 653	1 734	1 788	3 522	2 147	2 063	8 368	5 017	13 385
1981	4 452	1 880	6 332	1 742	1 820	3 562	1 926	2 136	8 933	5 023	13 956
1982	3 910	1 792	5 702	1 416	1 737	3 153	1 858	1 764	7 785	4 688	12 473
1983	4 156	1 839	5 995	1 576	1 924	3 500	2 126	1 845	8 461	5 005	13 466
1984	4 200	2 192	6 392	1 812	1 966	3 778	2 099	2 090	8 950	5 409	14 359
1985[a]	4 118	2 132	6 250	1 722	2 017	3 739	2 486	1 971	8 988	5 458	14 446
1986[a]	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	9 274	5 970	15 244
1987[a]	4 487	2 306	6 793	1 840	2 295	4 135	2 753	2 369	9 673	6 378	16 051
1988[a]	4 647	2 466	7 113	1 881	2 333	4 214	2 878	2 435	9 969	6 672	16 641

[a]Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

II - 18. SHIPMENTS OF BASIC PAPER AND PAPERBOARD BY CATEGORY, 1960-1988

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paperboard	Total
A. Quantity (1 000 t)								
1960	6 146	363	37	13	273	75	877	7 785
1970	7 951	798	93	14	439	98	1 600	10 994
1971	7 639	822	86	15	492	132	1 646	10 831
1972	8 130	863	102	16	537	155	1 853	11 655
1973	8 373	891	105	18	616	147	2 062	12 214
1974	8 761	1 032	116	20	636	145	2 142	12 853
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 145	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467[a]	122	2 348	14 066
1985[b]	8 996	2 121	455[c]	..	475	..	2 398	14 445
1986[b]	9 302	2 395	467[c]	..	549	..	2 599	15 312
1987[b]	9 761	2 652	472[c]	..	562	..	2 695	16 142
1988[d]	9 867	..	..	..	..	..	..	16 489
B. Value ($000 000)								
1960	793	106	9	5	66	8	140	1 128
1970	1 107	238	26	7	102	9	269	1 757
1971	1 083	242	26	7	115	10	268	1 752
1972	1 177	262	30	8	124	12	313	1 925
1973	1 339	321	32	10	158	13	378	2 252
1974	1 855	496	51	15	242	17	550	3 226
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	966	6 962
1984	4 821	1 711	134	..	340[a]	33	1 156	8 194
1985	4 958	x	x	x	370	x	x	..
1986	5 205	2 422	x	x	426	x	1 283	..

[a] Tissue paper, other than sanitary, included with wrapping.
[b] Canadian Pulp and Paper Association.
[c] Including tissue other than sanitary.
[d] Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

II - 19. SHIPMENTS OF NEWSPRINT FROM PROVINCE OF ORIGIN TO POINT OF DESTINATION, 1980-1988

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
A. Canada			1 000 t		
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
1987	682	213	177	111	1 183
1988	708	221	194	105	1 227
B. United States					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 585
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
1987	3 396	1 631	1 078	982	7 087
1988	3 424	1 658	1 068	936	7 087
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
1987	454	--	342	691	1 487
1988	467	-	359	728	1 554
D. Total shipments					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 165	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301
1987	4 532	1 844	1 598	1 784	9 757
1988	4 598	1 879	1 621	1 769	9 867

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 20. SHIPMENTS OF OTHER PAPER AND PAPERBOARD FROM PROVINCE OF ORIGIN TO POINT OF DESTINATION, 1980-1988

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 456	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
1987	1 481	1 677	430	221	3 809
1988	1 546	1 644	434	219	3 844
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
1987	747	620	321	254	1 942
1988	833	647	350	295	2 126
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
1987	75	20	414	124	634
1988	59	23	441	129	652
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029
1987	2 304	2 317	1 165	600	6 385
1988	2 438	2 314	1 225	644	6 621

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 21. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1970-1988

Year	Veneer[a]			Plywood[a]			Other wood-based panels		
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard
A. Quantity (1 000 m^3)									
1970	470	134	604	1 664	191	1 855	..	256[b]	171
1973	607	139	746	2 149	250	2 399	..	565[b]	253
1974	489	118	607	1 842	218	2 060	..	507[b]	222
1975	506	99	605	1 979	180	2 159	..	564[b]	194
1976	651	111	762	2 134	190	2 324	285	474	191
1977	750	127	877	2 359	194	2 553	384	514	172
1978	678	164	842	2 576	217	2 793	457	617	198
1979	634	x	x	2 379	x	x	528	703	193
1980	638	x	x	2 248	x	x	577	724	226
1981	616	x	x	1 978	198	2 176	665	697	163
1982	473	x	x	1 646	163	1 809	536	574	118
1983	701	x	x	x	..	2 057	851	706	162
1984	..	..	..	..	..	1 845	1 183	823	144
1985	..	..	..	..	..	1 970	1 331	1 029	151
1986	..	..	..	..	..	1 888	1 356	1 115	136
1987	..	..	..	..	..	2 223	1 589	1 310	139
1988	..	..	..	..	..	2 182	1 647	1 154	125
B. Value ($000 000)									
1970	17	31	48	150	31	181	..	18[b]	..
1973	37	45	82	290	59	349	..	55[b]	..
1974	32	44	76	262	58	320	..	54[b]	..
1975	30	36	66	280	50	330	..	54[b]	..
1976	43	43	86	364	59	423	38	41	..
1977	49	48	97	406	66	472	54	52	..
1978	61	79	139	536	82	618	73	77	..
1979	64	x	x	545	x	x	89	87	..
1980	68	x	x	493	x	x	80	106	..
1981	67	x	x	492	91	583	103	117	..
1982	51	x	x	350	73	423	77	96	..
1983	67	x	x	x	98	x	129	123	..
1984	..	..	..	..	..	..	185	152	..
1985	..	..	..	..	..	..	241	193	..
1986	..	..	..	..	..	..	255	229	..
1987	..	..	..	..	..	..	278	277	..
1988	..	..	..	..	..	..	256	275	..

[a] Annual survey 1970-1983, monthly survey 1984-1988.
[b] Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001, and 36-003.

II - 22. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED WOOD INDUSTRIES FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments[a]												
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Directly exported	Total
							$000 000							
A. Wood industries														
Nfld.	25	..	..	..	25	..	..	..	..	..	..	..	..	25
P.E.I.	x	x	x	x	x	..	x	..	..	..	..	..	..	10
N.S.	x	x	x	x	x	x	x	x	x	x	x	..	x	118
N.B.	x	x	x	x	186	x	x	x	x	x	x	x	x	284
Atlantic provinces	38	x	x	166	321	19	32	x	x	x	x	x	63	438
Que.	12	x	x	19	46	1 558	276	x	x	x	x	x	487	2 387
Ont.	x	x	x	x	19	109	1 226	13	x	x	x	x	407	1 796
Man.	..	..	..	..	..	x	x	93	x	x	122	1	x	135
Sask.	..	..	x	..	x	x	x	x	x	x	63	..	x	110
Alta.	x	x	2	x	x	x	29	x	x	270	304	39	148	539
Prairies	x	x	x	x	5	20	53	133	71	284	489	39	176	784
B.C.	6	3	14	10	33	124	301	61	x	172	292	1 323	2 496	4 569
Canada	59	21	144	200	424	1 830	1 888	213	x	473	828	1 374	3 629	9 973
B. Shingle and shake industry														
N.B.	..	x	x	x	x	..	..	..	..	..	..	..	x	5
Que.	..	..	..	x	x	x	x	..	..	..	..	..	x	10
B.C.	x	x	1	x	x	x	x	x	x	x	x	35	86	124
Canada	x	x	x	3	x	4	1	x	x	x	x	35	95	139
C. Sawmill and planing mill products industry														
Nfld.	9	..	..	..	9	..	..	..	..	..	..	..	..	9
P.E.I.	..	2	..	..	2	..	..	..	..	..	..	..	..	2
N.S.	x	x	x	1	54	x	x	..	..	..	..	..	x	60
N.B.	x	x	x	119	132	x	x	..	..	x	x	..	x	185
Atlantic provinces	x	x	x	119	196	x	x	..	..	x	x	..	49	257
Que.	x	x	x	7	x	799	164	x	..	x	x	x	344	1 329
Ont.	..	..	x	..	x	x	419	x	x	x	x	x	215	669
Man.	..	..	..	..	..	..	x	x	x	..	x	..	x	24
Sask.	..	..	..	..	..	..	x	x	x	x	x	..	x	52
Alta.	..	..	..	..	..	x	x	16	x	x	124	x	116	269
Prairies	..	..	..	..	..	x	x	52	19	104	175	x	139	345
B.C.	2	x	5	4	x	x	207	38	x	x	152	x	2 268	3 666
Canada	23	6	66	130	226	892	807	95	x	184	332	992	3 016	6 265

[a]Large establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

Source: Statistics Canada Cat. No. 31-530, Census of Manufactures.

II - 23. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED PAPER AND ALLIED INDUSTRIES FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments[a]												
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Directly exported	Total
								$000 000						
A. Paper and allied products industries														
Nfld.	x	x	x	x	16	..	x	..	..	..	..	x	x	x
N.S.	x	x	x	x	61	32	x	x	x	x	x	x	x	434
N.B.	x	x	x	83	101	38	x	x	..	x	x	x	800	1 000
Atlantic provinces	x	x	x	x	178	70	190	x	x	4	x	x	1 304	x
Que.	24	x	x	70	133	1 721	1 032	x	x	31	x	x	2 883	5 864
Ont.	x	x	x	x	135	665	2 782	87	x	119	235	85	1 950	5 852
Man.	x	x	x	x	x	x	30	88	x	x	115	x	x	249
Sask.	..	..	..	..	..	x	x	x	x	x	16	x	x	x
Alta.	..	..	x	..	x	x	x	x	x	128	164	x	x	452
Prairies	x	x	x	x	--	44	42	105	49	142	296	x	458	x
B.C.	x	x	x	x	4	5	18	x	22	134	174	489	2 455	3 145
Canada	**109**	**17**	**129**	**194**	**449**	**2 506**	**4 06**	**236**	**113**	**429**	**779**	**625**	**9 050**	**17 472**
B. Pulp industry														
N.B.	..	..	x	x	x	x	x	..	..	..	..	..	420	508
Atlantic provinces	..	..	x	x	x	x	x	..	..	..	..	..	420	x
Que.	..	..	..	22	22	147	45	..	..	..	..	..	270	484
Ont.	x	..	..	..	x	x	194	x	..	x	x	x	387	705
Prairies	..	..	..	..	..	x	x	x	..	x	x	..	369	x
B.C.	..	..	..	x	x	x	..	..	..	x	x	x	1 400	1 536
Canada	x	..	x	x	67	306	379	x	..	x	10	133	2 846	3 740
C. Newsprint industry														
Nfld.	x	..	..	..	x	..	x	..	..	..	..	..	x	x
N.S.	..	x	x	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	..	..	..	x	x
Que.	..	..	..	x	x	228	270	x	x	6	x	x	2 282	2 797
Ont.	x	x	x	x	x	x	x	x	x	x	x	x	1 259	1 436
Man.	..	..	..	..	..	..	x	x	x	x	x	x	x	x
Prairies	..	..	..	..	..	..	x	x	x	x	x	x	x	x
B.C.	..	..	..	..	..	..	..	x	x	37	43	69	913	1 025
Canada	x	x	x	14	81	258	374	x	x	53	100	75	5 303	6 191

[a] Large establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

Source: Statistics Canada Cat. No. 31-530, Census of Manufactures.

SECTION III

COMMODITY TRADE

Exports

Export documents collected by Canada Customs are the basic source of export statistics, except for data on electricity, crude petroleum, and natural gas exported by pipeline.

Provincial Detail: Prior to the 1984 data year, export statistics by province of lading indicated the province in which the goods were first loaded aboard a carrier for export (province of lading). In certain cases this might differ from the province of origin, which is defined as the province in which the goods were grown, extracted, or manufactured.

Commencing with 1984 data, Statistics Canada and Revenue Canada, Customs and Excise have required export shipments to be reported by province of origin. It is understood that there are some problems effecting this change as many exporters are unable to report by province of origin.

Country and area of destination: Exports are classified according to the country to which they are consigned at the time the goods leave Canada, i.e., to the farthest known destination. (Many primary products are shipped to transhipment points, particularly in Europe, for re-export to the ultimate destination which is unknown when the goods leave Canada.)

Imports

Import documents collected by Canada Customs are the basic source of import statistics, except for data on imports of electricity, which are reported by the importing firms directly to Statistics Canada.

Provincial detail: Import statistics by province of clearance indicate the province in which the goods were cleared by customs either for immediate consumption or for entry into a bonded customs warehouse; this may not always coincide with the province in which the goods are consumed or enter the productive process.

Country and area of consignment: Imports are credited to the country from which goods are consigned to Canada, except for goods originating in Central and South America but consigned to Canada via the United States. The principal trade areas shown in some tables are defined in section X.B, "User's guide - Trade area groupings."

Commodity Classification

Export commodities are classified according to the "Export Commodity Classification (XCC)," catalogue 12-502. Import commodities are classified according to the "Canadian International Trade Classification," catalogue 65-502. These classifications were revised using new reference manuals in effect January 1, 1986.

III - 1. BALANCE OF TRADE BY MAJOR COMMODITY GROUP, 1986-1987

Commodity	1986 Exports[a] (+)	1986 Imports (-)	1986 Net flow	1987 Exports[a] (+)	1987 Imports (-)	1987 Net flow
			$000 000			
A. Forest products	18 018	2 399	+15 619	21 355	2 684	+18 671
Lumber - Total	5 033	360	+ 4 673	5 938	424	+ 5 513
- Softwoods	4 893	143	+ 4 751	5 748	139	+ 5 608
Plywood, veneer	239	112	+ 128	270	137	+ 133
Particleboard and wood building board	184	-	+ 184	169	-	+ 169
Wood pulp	4 072	138	+ 3 934	5 474	143	+ 5 331
Newsprint	5 661	-	+ 5 661	6 029	-	+ 6 029
Other paper and paperboard	1 811	1 311	+ 500	2 258	1 465	+ 793
Pulpwood	12	28	- 16	22	22	- 1
Wood chips	78	24	+ 54	74	6	+ 67
Other crude wood materials	230	174	+ 57	372	176	+ 196
Other forest products	697	252	+ 445	751	310	+ 441
B. Farm products	7 538	6 089	+ 1 449	7 949	6 100	+ 1 849
Live animals	350	159	+ 191	368	162	+ 206
Food, feed, beverages, and tobacco	7 188	5 930	+ 1 258	7 581	5 938	+ 1 643
C. Fish products	2 434	613	+ 1 821	2 770	691	+ 2 079
D. Energy	12 175	4 607	+ 7 568	13 348	5 015	+ 8 333
Coal and other crude bituminous	1 851	746	+ 5 606	1 670	727	+ 8 418
Crude petroleum	3 775	2 885	+ 890	4 855	3 180	+ 1 676
Petroleum and coal products	2 098	889	+ 1 208	2 210	1 018	+ 1 192
Natural gas	2 524	--	+ 2 524	2 527	--	+ 2 527
Uranium and radioactive elements and isotopes	842	-	+ 842	886	-	+ 886
Electricity and parts	1 086	88	+ 998	1 200	90	+ 1 109
E. Metals and minerals	17 690	10 084	+ 7 606	17 161	9 686	+ 7 475
Metal ores, concentrates, and scrap	3 339	1 957	+ 1 382	3 654	1 644	+ 2 011
Iron and steel	2 433	1 840	+ 593	2 680	2 076	+ 604
Nonferrous metals	7 390	3 074	+ 432	6 441	2 486	+ 3 955
Other metals and minerals	4 528	3 213	+ 1 315	4 386	3 480	+ 906
F. Other products	62 472	86 977	-24 505	62 135	90 071	-27 936
Chemicals and fertilizers - minerals	2 716	1 654	+ 1 062	3 046	1 771	+ 1 276
Chemicals and fertilizers - non minerals	2 198	4 186	- 1 989	2 560	4 457	- 1 897
Textiles	396	2 105	- 1 709	456	2 261	- 1 805
Machinery	4 293	9 963	- 5 669	4 351	10 399	- 6 048
Transportation and automotive products	39 934	39 016	+ 917	37 446	38 507	- 1 061
Other products	12 935	30 052	-17 117	14 276	32 676	-18 400
Special trade transactions	343	1 743	- 1 400	370	1 992	- 1 623
G. Total	120 670	112 511	+ 8 158	125 087	116 239	+ 8 848

[a] Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

COMMODITY CLASSIFICATION

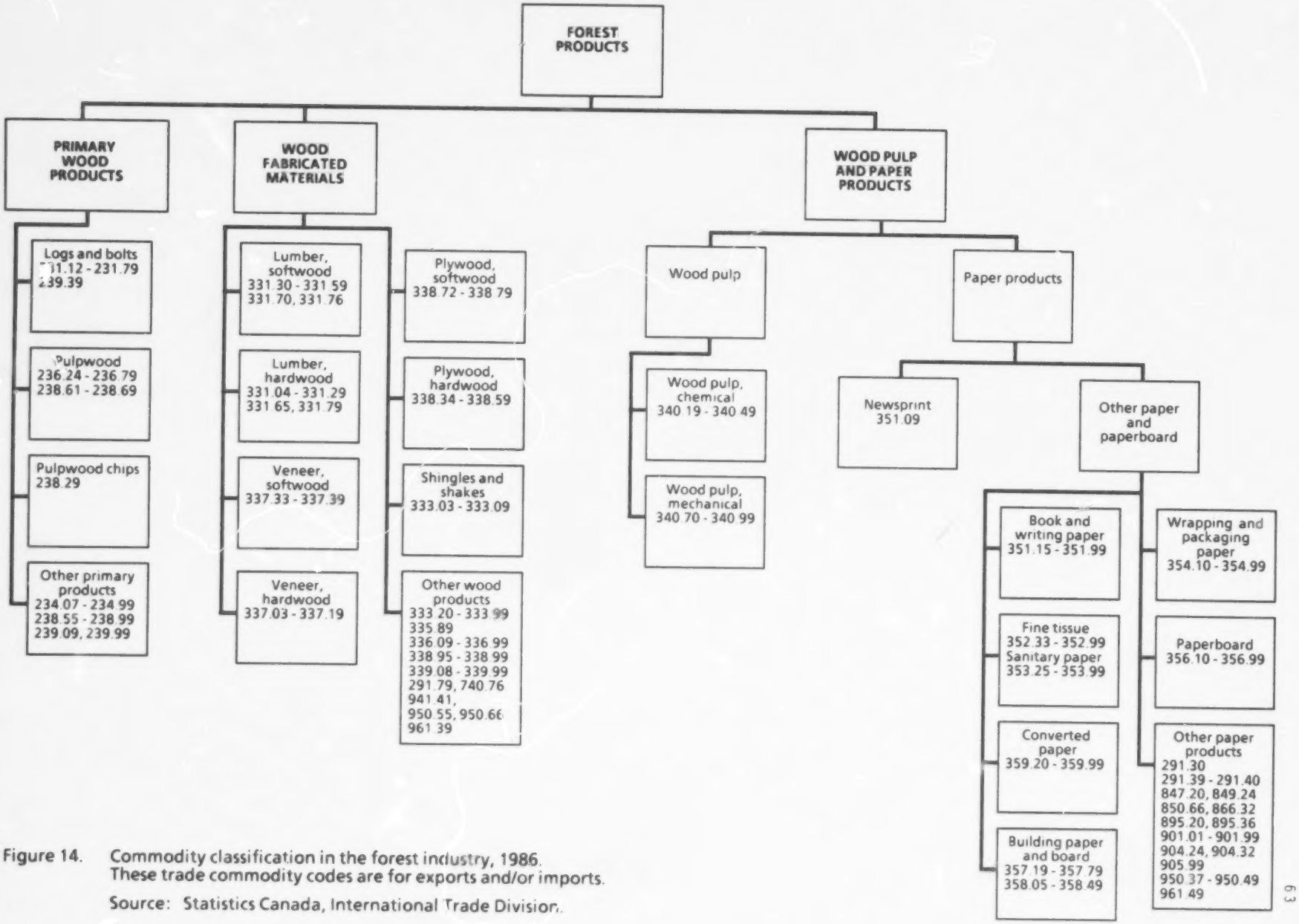

Figure 14. Commodity classification in the forest industry, 1986. These trade commodity codes are for exports and/or imports.

Source: Statistics Canada, International Trade Division.

III - 2. CANADIAN EXPORTS[a] (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Forest products							Agriculture		Chemicals and fertilizers		Energy		Mines				
	Lumber				Other paper, paperboard	Other forest products	Total	Farm products[b]	Fish products	Minerals	Other	Minerals[c]	Electricity	Other metals and minerals[d]	Other products	Total	Re-exports[a]
	Softwoods	Total	Wood pulp	Newsprint													
	$000 000																
1970	638	664	785	1 110	166	230	2 955	1 616	252	335	181	1 007	34	4 055	5 966	16 401	419
1971	799	830	798	1 084	173	227	3 112	1 838	274	373	156	1 276	48	3 642	6 678	17 397	423
1972	1 128	1 174	830	1 158	222	262	3 646	2 018	337	389	156	1 701	68	3 698	7 657	19 671	479
1973	1 559	1 599	1 082	1 288	286	323	4 578	2 677	480	477	194	2 403	109	4 780	9 140	24 838	583
1974	1 254	1 290	1 889	1 726	424	297	5 626	3 459	411	678	258	4 944	175	6 073	10 050	31 675	767
1975	949	973	1 834	1 746	304	270	5 127	3 700	447	683	265	5 405	104	5 612	11 205	32 548	780
1976	1 611	1 649	2 186	2 003	375	362	6 575	3 710	585	868	332	5 279	162	6 626	13 513	37 650	825
1977	2 339	2 387	2 158	2 382	468	532	7 927	3 816	792	1 066	512	5 315	377	7 601	16 278	43 684	870
1978	3 158	3 229	2 181	2 886	616	717	9 629	4 200	1 102	1 248	652	6 196	479	8 620	20 134	52 260	923
1979	3 821	3 901	3 083	3 222	824	860	11 890	5 024	1 290	1 864	855	8 995	729	11 247	22 424	64 317	1 324
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7 012	1 251	2 384	1 046	10 997	773	15 298	22 867	74 446	1 713
1981	2 913	2 989	3 819	4 326	983	858	12 975	7 958	1 483	2 704	1 240	11 514	1 123	14 892	27 447	81 336	2 475
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8 639	1 583	2 368	1 234	12 083	1 120	12 563	30 134	81 825	2 705
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8 865	1 544	2 557	1 447	11 862	1 228	12 711	34 723	88 155	2 458
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9 257	1 576	3 019	1 766	14 245	1 378	15 727	46 736	109 437	2 947
1985	4 523	4 595	3 405	5 412	1 472	1 359	16 242	7 830	1 827	2 809	2 076	16 158	1 425	16 168	51 611	116 145	3 329
1986	4 893	4 980	4 072	5 661	1 794	1 431	17 938	7 472	2 407	2 689	2 155	11 078	1 086	17 518	54 389	116 733	3 937
1987	5 745	5 859	5 473	6 029	2 237	1 643	21 241	7 873	2 736	3 023	2 505	12 139	1 200	16 989	50 756	121 462	3 624

[a] Re-exports shown separately.
[b] Farm products: Food, feed, and beverages, including live animals and tobacco.
[c] Energy-minerals: coal and other crude bitumen substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.
[d] Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal-fabricated basic products, unmanufactured asbestos, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

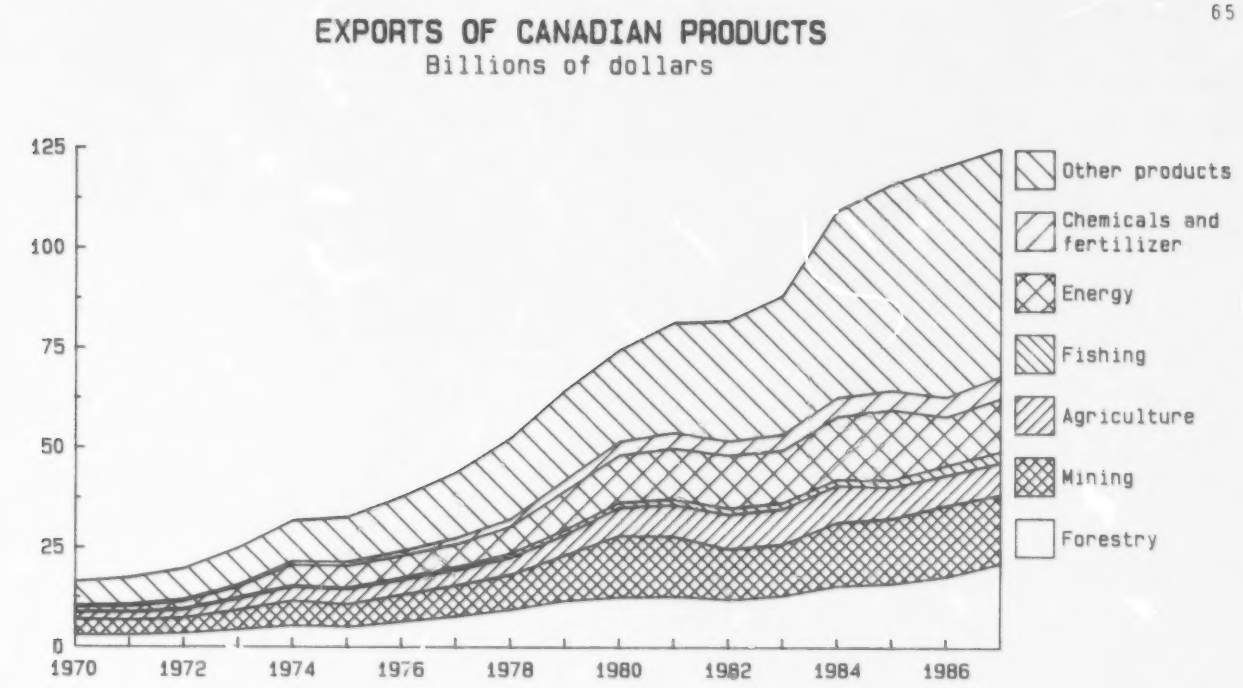

Figure 15. Exports of Canadian products by commodity group, 1970-1987.

Source: Statistics Canada, Cat No. 65-202 and special compilation.

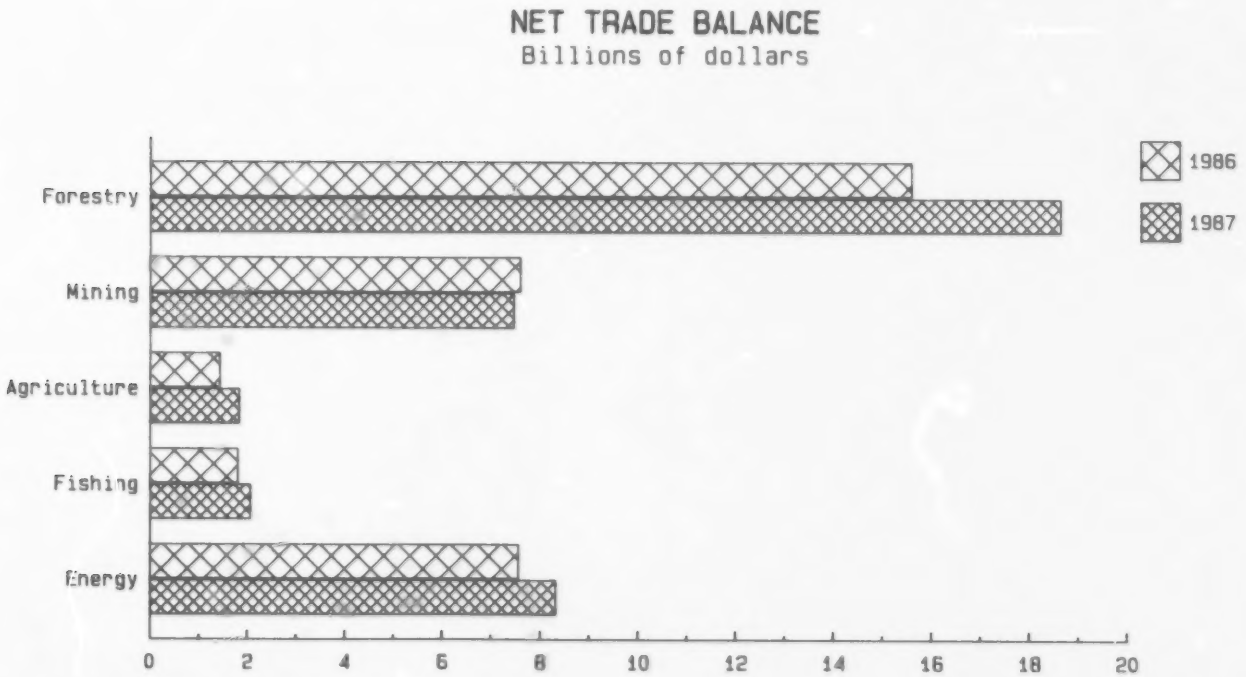

Figure 16. Contribution to net trade balance by commodity group, 1986-1987.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 3. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY PROVINCE OR REGION OF LADING 1970-1983 AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1984-1987

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
A. Province or region of lading							$000 000							
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	3 012
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	4 577
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	13 003
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
B. Province or region of lading/origin														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 025	1 701	4 140	3 437	178	105	407	690	6 274	1	16 242
1986	311	1	438	1 178	1 928	4 655	3 519	213	161	432	806	7 030	--	17 938
1987	372	1	508	1 388	2 269	4 907	3 738	190	223	550	963	9 364	--	21 241

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

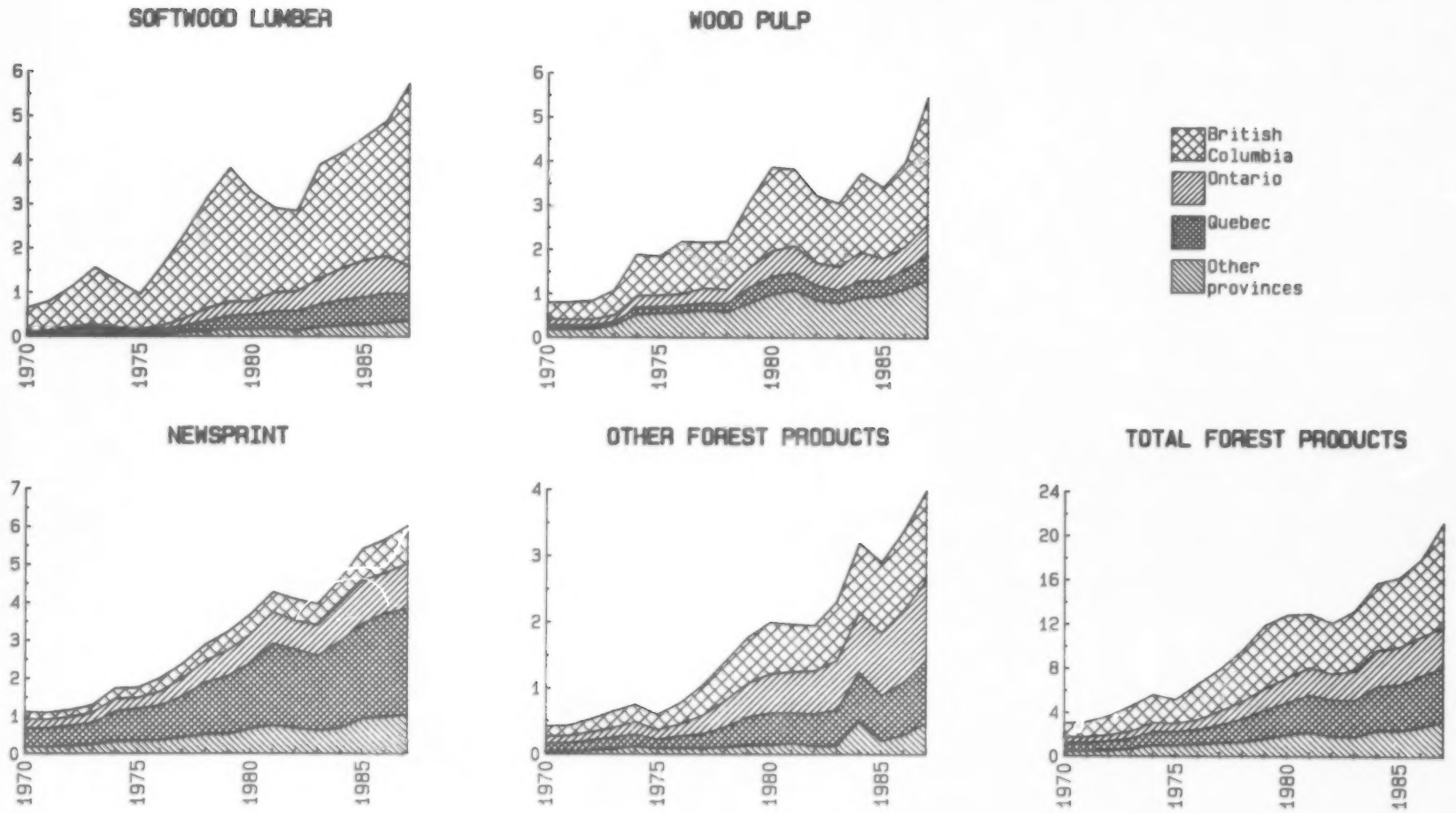

Figure 17. Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1987.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 4. EXPORTS[a] AND IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	News-print	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada	
	Softwoods	Total										Total forest products	Total products	Forest products (%)
							$000 000							
A. Exports														
1970	638	664	73	-	785	1 110	167	27	11	40	81	2 958	16 820	17.6
1973	1 559	1 600	128	-	1 082	1 288	287	12	16	19	150	4 582	25 421	18.0
1974	1 255	1 292	107	-	1 889	1 726	425	13	14	36	129	5 631	32 442	17.4
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 328	15.4
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	6 585	38 475	17.1
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	7 935	44 554	17.8
1978	3 158	3 230	212	-	2 181	2 886	618	14	49	53	391	9 634	53 183	18.1
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	11 898	65 641	18.1
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159	16.9
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	13 053	83 811	15.6
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	98	120	470	12 188	84 530	14.4
1983	3 896	3 997	258	92	3 049	3 956	1 148	12	89	174	486	13 261	90 613	14.6
1984	4 182	4 299	273	157	3 906	4 784	1 427	11	85	263	588	15 793	112 384	14.1
1985	4 524	4 630	249	201	3 411	5 411	1 486	8	83	203	623	16 305	119 474	13.6
1986	4 893	5 033	239	184	4 072	5 661	1 811	12	78	230	697	18 018	120 670	14.9
1987	5 748	5 938	270	169	5 474	6 029	2 258	22	74	372	751	21 355	125 087	17.1
B. Imports														
1970	22	38	28	6	10	-	107	3	-	27	45	264	13 952	1.9
1973	60	99	78	23	17	-	188	4	-	50	105	564	23 325	2.4
1974	71	117	114	33	19	-	282	8	-	64	152	790	31 722	2.5
1975	71	110	124	30	30	-	346	9	-	56	160	864	34 716	2.5
1976	95	164	97	29	33	-	432	8	-	55	174	992	37 494	2.6
1977	96	171	72	25	35	-	402	11	5	51	199	972	42 363	2.3
1978	94	203	76	25	50	-	469	14	6	69	236	1 147	50 108	2.3
1979	127	271	89	26	79	-	546	21	6	94	296	1 428	62 871	2.3
1980	108	235	64	23	79	-	576	15	2	82	262	1 338	69 274	1.9
1981	130	276	113	29	83	-	722	17	3	75	310	1 628	79 482	2.0
1982	72	177	46	15	88	-	684	15	4	75	198	1 302	67 856	1.9
1983	123	281	88	21	86	-	876	13	7	102	166	1 640	75 520	2.2
1984	108	281	78	24	129	-	1 107	13	9	141	183	1 965	95 460	2.1
1985	112	281	79	28	132	-	1 142	17	9	156	190	2 034	104 355	1.9
1986	143	360	112	33	138	-	1 311	28	24	174	219	2 399	112 511	2.1
1987	139	424	137	35	143	-	1 465	22	6	176	276	2 684	116 239	2.3

[a]Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 5. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	Newsprint	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada	
	Softwoods	Total										Total forest products	Total products
							$000 000						
1970	+ 616[a]	+ 626	+ 45	- 6	+ 775	+1 110	+ 60	+24	+11	+ 13	+ 36	+ 2 694	+ 2 868
1971	+ 772	+ 785	+ 34	- 11	+ 783	+1 084	+ 54	+16	+17	- 2	+ 42	+ 2 803	+ 2 202
1972	+1 090	+1 107	+ 37	- 15	+ 813	+1 158	+ 77	+ 9	+13	- 27	+ 52	+ 3 224	+ 1 481
1973	+1 499	+1 501	+ 50	- 23	+1 065	+1 288	+ 99	+ 8	+16	- 31	+ 45	+ 4 018	+ 2 096
1974	+1 184	+1 175	- 7	- 33	+1 870	+1 726	+143	+ 5	+14	- 28	- 23	+ 4 841	+ 720
1975	+ 878	+ 865	- 34	- 30	+1 804	+1 746	- 41	+ 2	+14	- 20	- 41	+ 4 266	- 1 388
1976	+1 516	+1 489	+ 5	- 29	+2 153	+2 003	- 54	+ 4	+22	- 15	+ 15	+ 5 593	+ 981
1977	+2 243	+2 218	+ 77	- 25	+2 123	+2 382	+ 69	+ 1	+30	+ 8	+ 81	+ 6 963	+ 2 191
1978	+3 064	+3 027	+136	- 25	+2 131	+2 886	+149	-	+43	- 16	+155	+ 8 487	+ 3 075
1979	+3 694	+3 632	+159	- 26	+3 004	+3 222	+281	- 6	+48	- 17	+173	+10 470	+ 2 770
1980	+3 157	+3 133	+173	- 23	+3 794	+3 684	+439	+11	+89	+ 7	+197	+11 504	+ 6 885
1981	+2 786	+2 753	+109	- 29	+3 736	+4 326	+244	+ 8	+95	+ 2	+180	+11 425	+ 4 329
1982	+2 776	+2 777	+169	- 15	+3 133	+4 086	+332	- 7	+94	+ 45	+272	+10 886	+16 674
1983	+3 773	+3 716	+170	+ 71	+2 963	+3 956	+272	- 1	+82	+ 72	+320	+11 621	+15 005
1984	+4 074	+4 018	+195	+133	+3 777	+4 784	+320	- 2	+76	+122	+405	+13 828	+16 924
1985	+4 412	+4 349	+170	+173	+3 279	+5 411	+344	- 9	+74	+ 47	+433	+14 271	+15 120
1986	+4 750	+4 673	+127	+151	+3 934	+5 661	+500	-16	+54	+ 56	+478	+15 619	+ 8 159
1987	+5 609	+5 514	+133	+134	+5 331	+6 029	+793	-	+68	+196	+475	+18 671	+ 8 848

[a]The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 6. DOMESTIC EXPORTS[a] AND IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts	Pulpwood	Wood chips	Lumber		Shingles and shakes	Wood pulp	Newsprint	Other paper and paperboard
				Softwoods	Total				
	1 000 m^3	1 000 m^3	1 000 t	1 000 m^3	1 000 m^3	1 000 m^2	1 000 t	1 000 t	1 000 t
A. Exports									
1950	..	..	194	7 971	8 399	27 164	1 675	4 480	106
1960	..	..	718	10 494	10 768	18 120	2 360	5 616	211
1970	1 295	2 636	881	17 299	17 621	20 462	5 063	7 339	626
1973	230	1 267	722	23 186	23 534	25 018	6 054	7 628	898
1974	752	1 202	588	19 283	19 562	19 358	6 526	7 910	913
1975	416	947	471	15 309	15 466	18 798	4 997	6 354	664
1976	569	905	704	22 621	22 832	24 841	6 116	7 000	788
1977	928	764	916	28 817	29 059	28 206	6 096	7 267	1 369
1978	670	891	1 111	31 419	31 715	33 369	6 641	7 868	1 610
1979	856	797	1 165	31 285	31 548	33 221	7 102	7 778	1 733
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253	7 718	1 931
1981	963	903	1 307	27 263	27 506	30 786	6 999	7 986	1 646
1982	1 260	287	1 131	27 566	27 807	30 303	6 115	7 081	1 644
1983	2 274	434	1 387	33 887	34 113	38 137	6 806	7 379	1 942
1984	3 408	408	1 305	37 066	37 335	42 427	7 030	8 127	2 040
1985	2 515	378	1 117	38 619	38 861	43 763	7 060	8 285	1 992
1986	2 741	611	1 012	38 001	38 274	42 871	7 619	8 562	2 321
1987	3 523	874	904	41 296	41 676	36 330	8 242	8 772	2 723
B. Imports									
1950	..	..	-	98	187	10	33	-	23
1960	..	..	-	326	544	101	58	-	139
1970	1 608	304	-	399	597	1 642	47	-	199
1973	2 261	339	-	704	1 075	287	83	-	332
1974	1 882	651	-	753	1 124	865	56	-	432
1975	1 658	555	-	856	1 187	-	82	-	516
1976	1 947	494	-	935	1 512	-	84	-	645
1977	1 764	585	-	764	1 228	-	87	-	449
1978	2 013	672	145	625	1 145	-	129	-	429
1979	2 364	897	160	785	1 409	-	173	-	417
1980	2 039	559	96	671	1 197	-	145	-	380
1981	1 631	591	86	807	1 361	-	141	-	501
1982	1 577	500	51	506	895	-	150	-	393
1983	2 359	457	97	773	1 341	-	292	-	528
1984	2 807	440	118	626	1 203	-	374	-	641
1985	2 947	588	157	663	1 197	-	224	-	659
1986	3 116	771	429	794	1 419	-	225	-	782
1987	3 093	746	108	740	1 559	-	205	-	851

[a]Excluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. APPARENT DOMESTIC CONSUMPTION[a] OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts	Pulpwood	Lumber		Wood pulp	Newsprint	Other paper and paperboard
			Softwoods	Total			
	1 000 m^3	1 000 m^3	1 000 m^3	1 000 m^3	1 000 t	1 000 t	1 000 t
1950	..	..	6 537	7 253	6 045	345	1 272
1960	..	..	7 694	8 683	8 096	452	1 955
1970	75 957	38 070	8 549	9 564	11 593	657	2 829
1971	80 984	35 326	9 648	10 622	11 468	658	2 963
1972	83 547	37 475	9 508	10 793	11 934	726	3 237
1973	98 917	41 450	12 697	14 185	12 592	729	3 660
1974	86 425	47 483	12 150	13 686	13 208	800	4 027
1975	74 785	36 671	11 859	13 026	10 198	656	2 908
1976	98 513	36 421	13 960	15 502	11 914	1 063	3 585
1977	104 543	36 553	12 541	13 897	12 159	799	3 150
1978	112 879	37 820	12 782	14 317	13 640	871	3 456
1979	115 941	40 342	15 064	16 561	13 799	864	3 583
1980	110 832	38 276	15 179	16 902	13 579	650	3 466
1981	96 986	40 892	12 781	14 072	13 714	947	3 878
1982	89 186	31 297	9 304	10 540	12 549	704	3 437
1983	111 354	38 113	14 510	15 894	13 681	1 082	3 591
1984	116 653	42 083	11 268	12 857	13 808	823	4 010
1985	119 711	40 761	14 557	16 197	13 337	703	4 222
1986	124 953	42 527	14 653	16 204	14 160	712	4 431
1987	..	..	20 489	21 881	14 806	901	4 506

[a]Apparent domestic consumption = Production + Imports - Exports.

Source: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203 and Canadian Pulp and Paper Association Reference Tables 1988.

III - 8. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**3 354**	**683**	**14 764**	**20 321**	**39 122**	**20 736**	**7 643**	**127**	**378**	**2 707**	**3 212**	**392 301**	**3**	**463 018**
Logs, bolts - Total	7	39	206	2 783	3 034	3 129	2 763	114	123	285	522	308 274	3	317 725
- Softwood logs	7	-	1	881	889	60	175	30	123	24	178	301 772	-	303 073
Pulpwood - Total	3 348	546	4 332	7 324	15 550	3 552	549	-	-	-	-	1 954	-	21 604
- Unpeeled	-	2	3 127	6 435	9 564	1 765	22	-	-	-	-	1 619	-	12 971
Wood chips	-	-	-	6 107	6 107	1 314	1 299	-	-	1	1	64 725	-	73 446
Other primary products	-	98	10 226	4 107	14 431	12 741	3 033	13	255	2 421	2 689	17 348	-	50 243
B. Wood-fabricated materials	**304**	**329**	**16 575**	**156 372**	**173 580**	**881 230**	**945 802**	**65 231**	**25 847**	**238 297**	**329 375**	**4 710 045**	**38**	**7 040 069**
Lumber - Softwoods	265	133	12 613	108 733	121 743	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 745 025
- Hardwoods	-	62	2 087	2 004	4 153	54 672	48 876	2 989	17	88	3 093	2 816	-	113 610
Shingles and shakes	-	26	7	9 173	9 205	19 470	1 438	164	32	204	400	186 933	-	217 446
Veneer - Softwoods	-	-	-	-	-	380	1 326	-	-	2	2	12 524	-	14 232
- Hardwoods	-	37	117	813	967	55 750	62 394	-	-	272	272	1 220	-	120 603
Plywood - Softwoods	-	-	81	37	118	420	507	4	-	109	113	96 864	-	98 022
- Hardwoods	-	8	58	64	130	11 058	17 995	-	-	112	112	3 773	-	33 069
Other wood products	39	63	1 612	35 549	37 263	151 064	165 337	4 138	12 202	59 867	76 207	268 192	-	698 062
C. Wood pulp and paper products	**368 228**	**403**	**476 460**	**1 211 141**	**2 056 232**	**4 005 266**	**2 784 555**	**124 535**	**196 715**	**309 299**	**630 548**	**4 261 598**	**-**	**13 738 199**
Wood pulp - Total	**111**	**85**	**230 624**	**611 501**	**842 320**	**565 776**	**700 559**	**1 734**	**194 885**	**293 237**	**489 856**	**2 874 523**	**-**	**5 473 035**
- Chemical	111	85	230 286	486 678	717 160	536 971	699 656	1 734	194 847	293 200	489 781	2 782 196	-	5 225 764
Paper products	**368 117**	**318**	**245 836**	**599 641**	**1 213 911**	**3 439 490**	**2 083 996**	**122 801**	**1 829**	**16 062**	**140 692**	**1 387 075**	**-**	**8 265 164**
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589
Other paper and paperboard	73 149	318	12 070	146 332	231 868	643 729	888 752	59 675	1 829	15 932	77 437	394 789	-	2 236 574
Book and writing paper	72 968	13	554	82 908	156 443	254 106	400 640	245	66	20	330	57 346	-	868 865
Fine paper	-	-	36	76	112	37 030	40 883	22	-	58	79	38 842	-	116 947
Tissue and sanitary	6	11	9	4 494	4 521	18 240	24 422	-	-	-	-	23 366	-	70 548
Wrapping and packaging	-	213	74	444	730	28 718	33 487	51 817	-	220	52 037	97 105	-	212 077
Paperboard	-	9	2 039	54 957	57 006	102 617	40 679	51	-	506	556	101 560	-	302 418
Building paper and board	-	8	7 304	130	7 442	42 981	66 640	1 524	62	11 070	12 655	25 404	-	155 123
Converted paper	16	41	277	756	1 091	54 601	148 771	654	-	864	1 518	2 538	-	208 518
Misc. paper products	159	23	1 777	2 565	4 523	105 436	133 229	5 363	1 702	3 196	10 261	48 628	-	302 076
Total forest products	**371 887**	**1 415**	**507 799**	**1 387 834**	**2 268 934**	**4 907 232**	**3 738 000**	**189 893**	**222 939**	**550 303**	**963 135**	**9 363 944**	**41**	**21 241 286**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	--	2	2	68	72	24	27	1	1	3	5	3 395	--	3 523
- Softwood logs	--	-	--	23	23	--	5	1	1	--	2	3 247	-	3 277
Pulpwood - Total (1 000 m^3)	100	12	154	403	669	122	13	-	-	-	-	70	-	874
- Unpeeled	-	--	124	374	498	62	1	-	-	-	-	58	-	618
Wood chips (1 000 t)	-	-	-	94	94	18	19	-	-	--	--	774	-	904
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	2	1	85	807	895	4 710	5 260	470	143	1 595	2 208	28 223	--	41 296
- Hardwoods	-	1	4	12	16	204	134	15	--	1	16	10	-	380
Shingles and shakes(1 000 m^2)	-	3	1	1 653	1 657	3 531	364	41	3	38	83	30 696	-	36 330
Veneer - Softwoods (1 000 m^3)	-	-	-	-	-	1	7	-	-	--	--	83	-	91
- Hardwoods	-	--	--	1	1	53	67	-	-	--	--	2	-	122
Plywood - Softwoods (1 000 m^3)	-	-	--	--	--	1	1	--	-	--	--	269	-	272
- Hardwoods	-	--	--	--	--	14	35	-	-	--	--	7	-	57
Other wood products (1 000 m^3)	--	--	7	73	80	182	335	41	80	288	409	513	-	1 520
C. Wood pulp and paper products (1 000 t)	630	--	683	1 826	3 140	5 432	3 736	185	329	487	1 001	6 426	-	19 736
Wood pulp - Total	--	--	346	948	1 294	815	1 035	3	329	454	785	4 312	-	8 242
- Chemical	--	--	346	695	1 041	756	1 034	3	329	453	785	4 093	-	7 709
Paper products	629	--	337	879	1 846	4 617	2 701	182	--	34	216	2 114	-	11 495
Newsprint	535	-	320	647	1 503	3 897	1 735	99	-	--	100	1 537	-	8 772
Other paper and paperboard	95	--	17	231	343	720	966	83	--	33	117	577	-	2 723
Book and writing paper	95	--	1	99	195	320	489	--	--	--	1	67	-	1 070
Fine paper	-	-	--	--	--	39	40	--	-	--	--	39	-	118
Tissue and sanitary	--	--	--	3	3	17	19	-	-	-	-	24	-	64
Wrapping and packaging	-	--	--	1	1	28	23	77	-	--	77	170	-	300
Paperboard	-	--	5	127	131	189	81	--	-	1	1	222	-	624
Building paper and board	-	--	11	1	12	113	272	5	-	32	37	48	-	482
Converted paper	--	--	--	1	1	15	43	1	-	1	1	6	-	66

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 10. IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$ 000							
A. Primary wood products	3	-	1 499	13 230	14 733	122 629	39 637	264	427	421	1 112	26 859	-	204 969
Logs, bolts - Total	-	-	6	7 633	7 639	117 422	26 671	-	3	17	20	2 163	-	153 915
- Softwood logs	-	-	-	5 027	5 027	89 435	936	-	2	-	2	2 154	-	97 554
Pulpwood - Total	-	-	-	126	126	298	6 430	-	-	-	-	15 490	-	22 343
- Unpeeled	-	-	-	126	126	298	6 106	-	-	-	-	15 490	-	22 019
Wood chips	-	-	-	4 985	4 985	7	270	4	1	-	6	1 211	-	6 479
Other primary products	3	-	1 493	486	1 983	4 903	6 266	260	422	404	1 086	7 995	-	22 233
B. Wood-fabricated materials	245	23	6 766	13 990	21 025	162 035	442 357	31 574	9 024	14 363	54 961	190 503	3	870 884
Lumber - Softwoods	-	1	200	6 002	6 203	17 609	49 354	1 741	259	636	2 637	63 638	-	139 441
- Hardwoods	83	-	3 895	1 887	5 865	69 965	165 762	14 720	4 087	7 478	26 286	16 885	-	284 763
Veneer - Softwoods	-	1	-	-	1	746	1 329	-	103	35	138	13 261	-	15 475
- Hardwoods	-	-	-	42	42	6 761	18 363	146	1 161	200	1 507	2 584	-	29 257
Plywood - Softwoods	-	-	217	334	551	2 768	18 569	1 819	112	331	2 261	5 810	-	29 959
- Hardwoods	-	-	2	49	51	18 304	22 374	64	1	122	187	20 936	-	61 852
Other wood products	162	20	2 451	5 677	8 311	45 883	166 605	13 084	3 300	5 562	21 946	67 389	3	310 137
C. Wood pulp and paper products	1 969	37	6 844	45 450	54 300	357 040	965 784	60 590	7 166	18 119	85 875	144 768	6	1 607 773
Wood pulp - Total	-	-	747	3 660	4 406	46 679	57 695	11 420	3	48	11 471	22 436	-	142 687
- Chemical	-	-	745	3 650	4 395	41 641	52 581	11 419	-	40	11 459	22 361	-	132 437
Paper products	1 969	37	6 097	41 790	49 893	310 361	908 090	49 171	7 163	18 070	74 404	122 332	6	1 465 085
Book and writing paper	2	3	717	16 840	17 563	68 145	129 516	9 712	889	3 939	14 539	16 608	-	246 371
Tissue and sanitary	26	-	356	667	1 049	16 696	22 955	604	206	229	1 038	1 452	-	43 191
Wrapping and packaging	-	-	3	293	296	11 052	24 528	4 449	27	132	4 608	1 948	-	42 432
Paperboard	690	-	552	3 708	4 949	23 050	118 056	3 733	1 315	1 691	6 738	26 547	-	179 342
Building paper and board	-	-	45	775	820	22 307	31 305	985	135	658	1 778	13 309	-	69 518
Converted paper	173	-	838	7 731	8 743	50 385	155 220	3 116	156	1 054	4 326	17 623	-	236 297
Misc. paper products	1 060	33	3 287	10 132	14 512	87 246	294 275	13 307	3 266	6 984	23 557	30 393	6	449 988
Total forest products	2 217	60	15 110	72 670	90 057	641 704	1 447 778	92 429	16 617	32 903	141 948	362 129	9	2 683 626

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	-	--	186	186	2 603	259	-	--	--	--	45	-	3 093
- Softwood logs	-	-	-	136	136	2 195	22	-	--	-	--	45	-	2 399
Pulpwood - Total (1 000 m^3)	-	-	-	4	4	10	262	-	-	-	-	470	-	746
- Unpeeled	-	-	-	4	4	10	247	-	-	-	-	470	-	731
Wood chips (1 000 t)	-	-	-	82	82	--	6	--	--	-	--	20	-	108
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	-	--	1	32	34	133	209	9	2	4	15	351	-	740
- Hardwoods	--	-	20	7	28	209	484	37	8	12	58	41	-	819
Veneer - Softwoods (1 000 m^3)	-	--	-	-	--	2	4	-	--	--	--	72	-	77
- Hardwoods	-	-	-	--	--	7	16	--	1	--	1	2	-	26
Plywood - Softwoods (1 000 m^3)	-	-	-	-	2	-	-	-	-	-	7	-	-	99
- Hardwoods	-	-	--	--	--	41	45	--	--	--	--	39	-	125
Other wood products (1 000 m^3)	--	-	--	2	2	27	39	9	2	3	13	48	-	131
C. Wood pulp and paper products (1 000 t)	1	--	3	31	36	270	560	46	4	13	63	127	-	1 056
Wood pulp - Total	-	-	1	6	7	72	77	16	--	--	16	33	-	205
- Chemical	-	-	1	6	7	68	74	16	-	--	16	33	-	198
Paper products	1	--	2	25	29	198	483	30	4	13	46	95	-	851
Other paper and paperboard	1	--	2	25	29	198	483	30	4	13	46	95	-	851
Book and writing paper	--	--	1	16	16	66	116	8	1	6	15	14	-	226
Fine paper	--	-	--	1	1	20	67	7	1	2	9	11	-	108
Tissue and sanitary	--	-	--	--	--	6	10	--	--	--	1	1	-	19
Wrapping and packaging	-	-	--	--	--	15	21	5	--	--	6	2	-	44
Paperboard	1	-	1	5	7	36	178	7	2	4	13	41	-	275
Building paper and board	-	-	--	1	1	39	36	2	--	1	3	20	-	98
Converted paper	--	--	--	2	2	16	55	1	--	--	1	6	-	81

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1987

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
						$000						
A. Primary wood products	**99 613**	**910**	**-**	**22**	**9 633**	**3 563**	**13 378**	**-**	**312 892**	**349 033**	**75**	**463 018**
Logs, bolts - Total	19 482	-	-	20	2 414	36	2 633	-	262 106	295 564	46	317 725
- Softwood logs	15 665	-	-	-	85	-	86	-	260 581	287 326	46	303 073
Pulpwood - Total	10 545	-	-	-	6 161	3 127	9 287	-	70	1 772	-	21 604
- Unpeeled	9 570	-	-	-	8	3 127	3 135	-	70	266	-	12 971
Wood chips	22 213	1	-	-	804	-	804	-	50 358	50 428	-	73 446
Other primary products	47 373	909	-	2	253	400	655	-	358	1 269	29	50 243
B. Wood-fabricated materials	**5 251 691**	**28 423**	**22 073**	**437 262**	**296 209**	**6 564**	**745 942**	**357**	**848 470**	**895 244**	**94 763**	**7 040 069**
Lumber - Softwoods	4 179 019	24 742	19 060	354 727	219 542	281	578 820	-	821 838	850 956	92 004	5 745 025
- Hardwoods	52 970	267	1 742	10 397	29 932	1 996	42 527	-	9 792	15 983	95	113 610
Shingles and shakes	212 226	754	16	953	2 454	-	3 474	-	128	198	774	217 446
Veneer - Softwoods	13 901	-	24	8	55	-	63	-	195	244	-	14 232
- Hardwoods	97 423	145	971	1 015	9 851	2 411	14 008	-	1 040	7 780	275	120 603
Plywood - Softwoods	3 605	486	6	52 098	28 629	1 202	82 123	-	11 030	11 408	277	98 022
- Hardwoods	32 817	109	-	33	17	32	81	-	-	46	-	33 069
Other wood products	659 730	1 920	255	18 031	5 730	643	24 846	357	4 448	8 629	1 338	698 062
C. Wood pulp and paper products	**9 358 199**	**434 136**	**41 608**	**545 278**	**1 369 267**	**22 108**	**1 994 880**	**23 004**	**888 623**	**1 725 920**	**159 356**	**13 738 199**
Wood pulp - Total	**2 461 357**	**113 255**	**12 697**	**265 802**	**1 149 919**	**19 769**	**1 491 269**	**22 996**	**744 307**	**1 299 646**	**71 684**	**5 473 035**
- Chemical	2 368 485	104 420	12 089	209 242	1 144 194	19 034	1 428 250	22 996	686 202	1 217 752	71 641	5 225 764
Paper products	**6 896 842**	**320 880**	**28 911**	**279 477**	**219 351**	**2 339**	**503 610**	**8**	**144 316**	**426 274**	**87 673**	**8 265 164**
Newsprint	5 084 171	241 142	15 052	195 416	151 210	-	346 702	-	109 243	273 484	68 021	6 028 589
Other paper and paperboard	1 812 671	79 738	13 859	84 061	68 138	2 339	156 908	8	35 073	152 790	19 651	2 236 574
Book and writing paper	817 800	10 082	1 658	20 731	6 438	38	27 237	8	152	8 434	3 631	868 865
Fine paper	106 034	2 359	289	105	226	-	331	-	9	6 767	1 168	116 947
Tissue and sanitary	56 831	834	313	2 033	266	-	2 299	-	-	7 361	2 892	70 548
Wrapping and packaging	128 688	7 579	425	18 393	11 928	924	31 245	-	11 940	44 065	76	212 077
Paperboard	121 858	43 875	7 632	25 269	38 049	526	65 469	-	16 955	63 042	542	302 418
Building paper and board	131 906	515	-	9 537	5 182	224	14 943	-	3 468	7 608	94	155 123
Converted paper	198 116	2 445	743	3 274	1 805	34	5 188	-	195	936	1 071	208 518
Misc. paper products	251 439	12 050	2 798	4 720	4 244	593	10 196	-	2 355	14 576	10 177	302 076
Total forest products	**14 709 503**	**463 468**	**63 681**	**982 562**	**1 675 109**	**32 235**	**2 754 200**	**23 362**	**2 049 985**	**2 970 197**	**254 195**	**21 241 286**

[a]Excluding re-exports.

III - 13. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1987

Commodity	United States	South and Central America	Africa	Europe				Asia			World
				United Kingdom	Other EEC	Scandi-navia	Europe	USSR	Japan	Asia	Oceania	
A. Primary wood products												
Logs, bolts - Total (1 000 m^3)	330	-	-	--	18	--	19	-	2 509	3 174	--	3 523
- Softwood logs	248	-	-	-	1	-	1	-	2 491	3 027	--	3 277
Pulpwood - Total (1 000 m^3)	524	-	-	-	181	124	305	-	1	45	-	874
- Unpeeled	489	-	-	-	--	124	124	-	1	5	-	618
Wood chips (1 000 t)	373	--	-	-	8	-	8	-	521	523	-	904
B. Wood-fabricated materials												
Lumber - Softwoods (1 000 m^3)	34 086	182	129	2 331	835	1	3 175	-	3 142	3 383	338	41 296
- Hardwoods	274	1	3	21	46	3	70	-	18	31	--	380
Shingles and shakes (1 000 m^2)	35 601	113	2	120	344	-	472	-	15	25	117	36 330
Veneer - Softwoods (1 000 m^3)	89	-	--	--	--	-	--	-	1	1	-	91
- Hardwoods	100	--	1	1	10	2	13	-	1	8	--	122
Plywood - Softwoods (1 000 m^3)	9	1	--	145	76	3	224	-	36	37	1	272
- Hardwoods	56	--	-	--	--	--	--	-	-	--	-	57
Other wood products (1 000 m^3)	1 482	--	--	12	9	1	23	-	3	12	2	1 520
C. Wood pulp and paper products (1 000 t)	**13 086**	**733**	**63**	**811**	**2 010**	**34**	**2 937**	**32**	**1 345**	**2 652**	**233**	**19 736**
Wood pulp - Total	**3 760**	**179**	**20**	**397**	**1 670**	**30**	**2 176**	**32**	**1 130**	**1 971**	**105**	**8 242**
- Chemical	3 552	159	18	299	1 656	29	2 064	32	996	1 780	105	7 709
Paper products	**9 326**	**555**	**43**	**415**	**340**	**3**	**761**	--	**215**	**681**	**128**	**11 495**
Newsprint	7 259	428	26	292	216	-	508	-	152	429	121	8 772
Other paper and paperboard	2 067	126	17	123	125	3	253	--	63	252	8	2 723
Book and writing paper	1 009	15	2	24	9	--	33	--	--	9	4	1 070
Fine paper	108	2	--	--	--	-	--	-	--	8	1	118
Tissue and sanitary	53	1	--	1	--	-	1	-	-	6	2	64
Wrapping and packaging	160	11	1	29	20	2	52	-	20	76	--	300
Paperboard	239	98	14	50	80	1	134	-	37	138	1	624
Building paper and board	437	1	-	16	13	--	30	-	6	14	--	482
Converted paper	62	--	--	2	--	--	2	-	--	--	--	66

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 14. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA[b] AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$000								
United States	154 597	793	382 238	831 189	1 368 817	4 149 128	3 596 198	181 891	128 083	531 075	841 049	4 754 270	41 14	709 503	69.2
Softwood lumber	221	133	661	90 827	91 842	517 846	641 138	57 128	13 585	175 981	246 694	2 681 462	38	4 179 019	
Wood pulp	111	29	150 597	306 390	457 128	316 190	676 854	770	100 239	280 970	381 980	629 206	-	2 461 357	
Newsprint	100 299	-	211 533	271 150	582 982	2 489 369	1 193 716	63 126	-	130	63 255	754 848	-	5 084 171	
Central America	33 954	22	801	57 546	92 323	34 727	13 034	3 958	18	23	4 000	68 471	-	212 555	1.0
Softwood lumber	-	-	45	3 219	3 264	3 108	1 105	317	-	-	317	16 511	-	24 305	
Wood pulp	-	-	16	815	831	1 949	-	147	-	-	147	32 372	-	35 300	
Newsprint	33 944	-	-	23 409	57 353	17 164	140	-	-	-	-	11 842	-	86 499	
South America	54 160	-	21 411	16 344	91 915	54 615	1 928	13	6	-	19	102 436	-	250 913	1.2
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	437	-	437	
Wood pulp	-	-	-	2 256	2 256	2 745	-	-	-	-	-	72 954	-	77 955	
Newsprint	47 792	-	21 390	8 057	77 239	49 138	-	-	-	-	-	28 266	-	154 643	
Middle East and North Africa	8 310	544	6 444	5 582	20 879	22 666	3 193	77	14	10	102	41 574	-	88 415	0.4
Softwood lumber	-	-	-	-	-	4 540	-	-	-	-	-	27 675	-	32 214	
Wood pulp	-	-	5 167	-	5 167	7 191	-	-	-	-	-	5 233	-	17 591	
Newsprint	8 023	-	-	-	8 023	6 814	203	-	-	-	-	1 915	-	16 955	
United Kingdom	41 970	-	30 379	142 625	214 974	217 861	55 510	1 213	4 350	1 989	7 552	486 665	-	982 562	4.6
Softwood lumber	32	-	11 613	13 829	25 475	52 931	5 618	114	-	1 329	1 443	269 259	-	354 727	
Wood pulp	-	-	18 653	96 469	115 122	27 999	22 990	-	4 350	-	4 350	95 340	-	265 802	
Newsprint	33 076	-	-	31 746	64 822	106 518	4	-	-	-	-	24 072	-	195 416	
Other EEC countries	48 326	-	31 549	143 430	223 305	243 702	27 090	512	16 844	361	17 719	1 163 292	-	1 675 109	7.9
Softwood lumber	12	-	33	858	903	9 590	-	1	-	62	63	208 987	-	219 542	
Wood pulp	-	-	28 413	114 940	143 354	120 602	644	217	16 844	-	17 061	868 256	-	1 149 919	
Newsprint	41 326	-	90	27 616	69 031	77 230	-	-	-	-	-	4 950	-	151 210	
Scandinavia	-	-	13 697	486	14 183	9 688	4 378	18	-	-	18	3 967	-	32 235	0.2
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	281	-	281	
Wood pulp	-	-	10 548	-	10 548	8 441	-	-	-	-	-	780	-	19 769	
Newsprint	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

III - 14. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA[b] AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$000								
China, People's Rep.	**15 882**	**-**	**1 304**	**5 363**	**22 549**	**27 951**	**151**	**-**	**-**	**10**	**10**	**199 981**	**-**	**249 741**	**1.2**
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	9 875	-	9 875	
Wood pulp	-	-	1 303	1 118	2 421	6 168	-	-	-	-	-	141 076	-	149 664	
Newsprint	15 882	-	-	1 995	17 877	11 623	-	-	-	-	-	12 127	-	41 628	
Japan	**2 568**	**-**	**3 020**	**167 296**	**172 885**	**33 780**	**5 213**	**1 675**	**57 269**	**9 869**	**68 814**	**1 769 294**	**-**	**2 049 985**	**9.7**
Softwood lumber	-	-	19	-	19	259	12	355	12	237	603	820 945	-	821 838	
Wood pulp	-	-	2 111	82 555	84 666	21 209	70	600	57 224	9 262	67 086	570 575	-	744 307	
Newsprint	2 568	-	754	84 192	87 513	5 195	-	-	-	-	-	16 534	-	109 243	
Southeast Asia	**--**	**-**	**783**	**1 437**	**2 220**	**18 286**	**3 337**	**81**	**-**	**322**	**403**	**166 667**	**-**	**190 913**	**0.9**
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	60	-	60	
Wood pulp	-	-	-	-	-	699	-	-	-	-	-	108 362	-	109 061	
Newsprint	-	-	-	-	-	12 059	751	-	-	-	-	28 676	-	41 487	
Australia	**8 557**	**-**	**1 158**	**53**	**9 768**	**7 984**	**12 613**	**2**	**1**	**8**	**10**	**206 735**	**-**	**237 111**	**1.1**
Softwood lumber	-	-	-	-	-	-	52	-	-	-	-	82 581	-	82 633	
Wood pulp	-	-	723	-	723	553	-	-	-	-	-	70 408	-	71 684	
Newsprint	8 557	-	-	53	8 610	3 899	-	-	-	-	-	49 978	-	62 488	
Other countries	**3 563**	**56**	**15 015**	**16 483**	**35 116**	**86 844**	**15 355**	**453**	**16 354**	**6 636**	**23 439**	**401 492**	**--**	**562 244**	**2.6**
Softwood lumber	--	--	242	--	240	143	4	20	--	34	55	19 651	--	20 094	
Wood pulp	--	56	13 093	6 958	20 104	51 330	1	--	16 228	3 005	19 232	279 961	-	370 626	
Newsprint	3 501	-	-	5 091	8 593	16 752	430	--	-	--	--	59 078	-	84 849	
World	**371 887**	**1 415**	**507 799**	**1 387 834**	**2 268 934**	**4 907 232**	**3 738 000**	**189 893**	**222 939**	**550 303**	**963 135**	**9 363 944**	**41**	**21 241 286**	**100.0**
Softwood lumber	265	133	12 613	108 733	121 743	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 745 025	
Wood pulp	111	85	230 624	611 501	842 320	565 776	700 559	1 734	194 885	293 237	489 856	2 874 523	-	5 473 035	
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589	

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA[b] AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
United States														
Softwood lumber (m^3)	1 659	1 095	5 434	708 998	717 186	4 206 855	5 219 004	467 384	142 762	1 583 685	2 193 831	21 748 884	208	34 085 968
Wood pulp (t)	164	38	229 720	478 148	708 069	448 544	1 004 106	1 213	171 174	435 272	607 659	991 892	-	3 760 271
Newsprint (t)	141 525	-	288 915	390 884	821 325	3 447 510	1 732 365	99 243	-	377	99 619	1 158 114	-	7 258 932
Central America														
Softwood lumber (m^3)	-	-	189	17 738	17 927	10 454	5 092	1 706	-	-	1 706	145 622	-	180 801
Wood pulp (t)	-	-	25	986	1 012	3 526	-	194	-	-	194	52 823	-	57 555
Newsprint (t)	74 363	-	-	33 701	108 064	24 751	204	-	-	-	-	18 203	-	151 222
South America														
Softwood lumber (m^3)	-	-	-	-	-	-	-	-	-	-	-	1 239	-	1 239
Wood pulp (t)	-	-	-	4 996	4 996	3 936	-	-	-	-	-	112 020	-	120 952
Newsprint (t)	98 791	-	29 645	12 103	140 539	87 817	-	-	-	-	-	48 457	-	276 813
Middle East and North Africa														
Softwood lumber (m^3)	-	-	-	-	-	34 804	-	-	-	-	-	237 244	-	272 047
Wood pulp (t)	-	-	7 478	-	7 478	10 991	-	-	-	-	-	7 968	-	26 436
Newsprint (t)	15 068	-	-	-	15 068	10 550	236	-	-	-	-	2 710	-	28 563
United Kingdom														
Softwood lumber (m^3)	205	-	77 588	74 926	152 720	392 758	35 726	590	-	10 076	10 666	1 739 010	-	2 330 880
Wood pulp (t)	-	-	27 650	150 984	178 634	39 358	30 270	-	7 792	-	7 792	140 534	-	396 589
Newsprint (t)	60 033	-	-	45 614	105 647	149 914	3	-	-	-	-	36 077	-	291 641
Other EEC countries														
Softwood lumber (m^3)	85	-	229	5 451	5 765	62 934	-	2	-	111	113	764 898	-	833 710
Wood pulp (t)	-	-	40 646	160 965	201 611	168 715	751	411	28 020	-	28 431	1 269 310	-	1 668 818
Newsprint (t)	82 793	-	176	36 647	119 615	91 444	-	-	-	-	-	5 442	-	216 501
Scandinavia														
Softwood lumber (m^3)	-	-	-	-	-	-	-	-	-	-	-	1 003	-	1 003
Wood pulp (t)	-	-	16 434	-	16 434	12 822	-	-	-	-	-	1 006	-	30 262
Newsprint (t)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

III - 15. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA[b] AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep.														
Softwood lumber (m^3)	-	-	-	-	-	-	-	-	-	-	-	75 212	-	75 212
Wood pulp (t)	-	-	2 000	2 526	4 526	9 982	-	-	-	-	-	208 562	-	223 070
Newsprint (t)	30 217	-	-	2 904	33 120	23 578	-	-	-	-	-	21 282	-	77 980
Japan														
Softwood lumber (m^3)	-	-	38	-	38	828	94	578	198	585	1 362	3 139 389	-	3 141 711
Wood pulp (t)	-	-	3 455	138 397	141 851	33 514	99	1 020	94 596	13 818	109 434	845 416	-	1 130 314
Newsprint (t)	5 145	-	1 533	117 679	124 357	6 102	-	-	-	-	-	21 600	-	152 059
Southeast Asia														
Softwood lumber (m^3)	-	-	-	-	-	-	-	-	-	-	-	186	-	186
Wood pulp (t)	-	-	-	-	-	1 548	-	-	-	-	-	157 419	-	158 967
Newsprint (t)	-	-	-	-	-	21 500	1 451	-	-	-	-	48 779	-	71 730
Australia														
Softwood lumber (m^3)	-	-	..	-	-	-	231	-	-	-	-	320 795	-	321 026
Wood pulp (t)	-	-	1 005	-	1 005	880	-	-	-	-	-	102 767	-	104 652
Newsprint (t)	19 027	-	-	37	19 064	7 465	-	-	-	-	-	85 069	-	111 597
Other countries														
Softwood lumber (m^3)	-	-	1 548	-	1 548	1 286	48	198	-	149	347	49 373	-	52 600
Wood pulp (t)	-	66	17 840	10 767	28 673	81 116	-	-	27 017	4 427	31 444	422 449	-	563 682
Newsprint (t)	7 866	-	-	7 853	15 720	26 581	643	-	-	-	-	91 635	-	134 580
World														
Softwood lumber (m^3)	1 949	1 095	85 026	807 114	895 184	4 709 918	5 260 196	470 459	142 960	1 594 606	2 208 025	28 222 854	208	41 296 384
Wood pulp (t)	164	104	346 253	947 769	1 294 289	814 931	1 035 227	2 838	328 599	453 516	784 953	4 312 167	-	8 241 568
Newsprint (t)	534 826	-	320 269	647 422	1 502 518	3 897 212	1 734 901	99 243	-	377	99 619	1 537 368	-	8 771 618

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

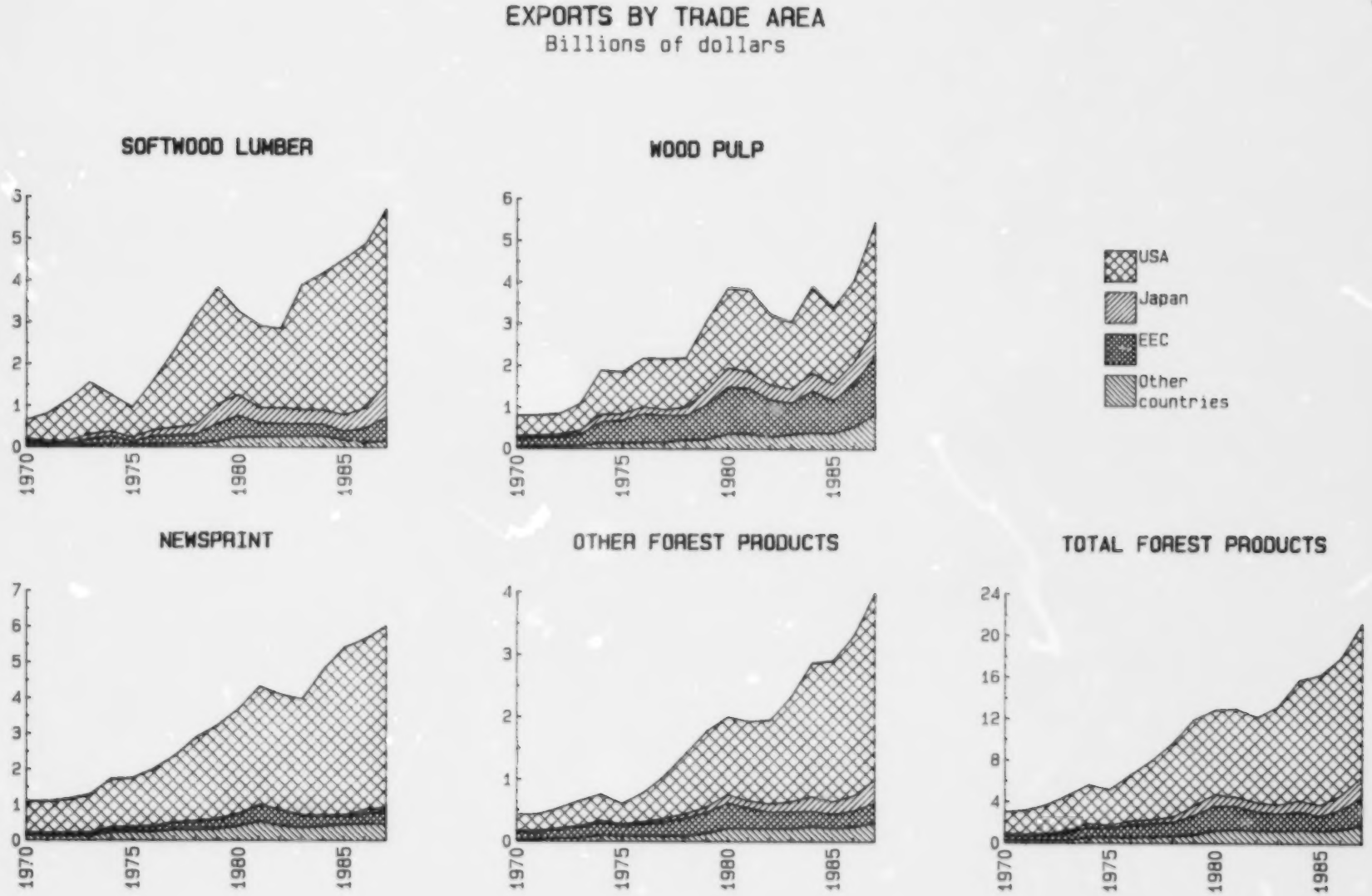

Figure 18. Exports of Canadian forest products by commodity group and principal trade area, 1970-1987.

Source: Statistics Canada, Cat. No. 65-202.

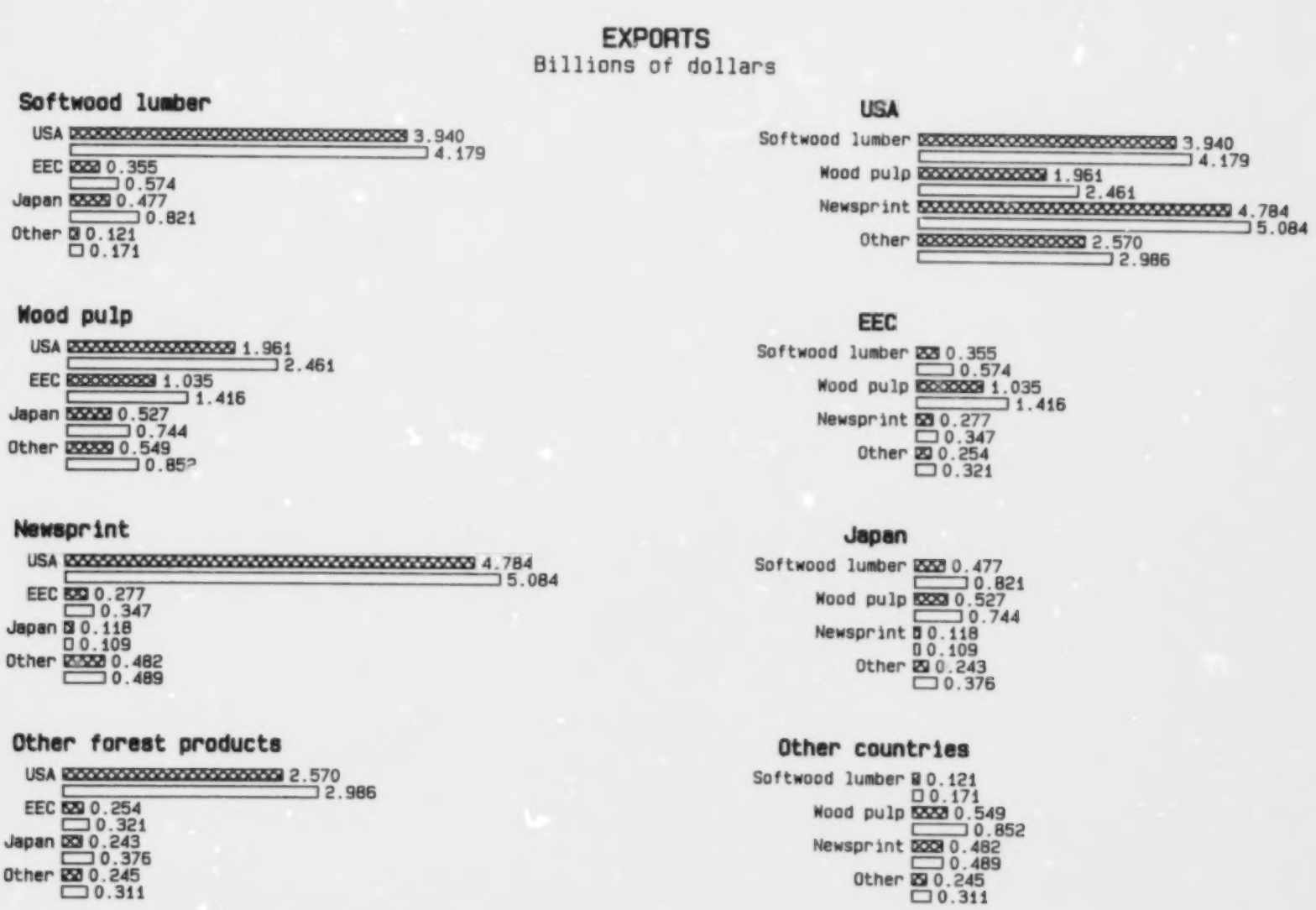

Figure 19. Exports of Canadian forest products by commodity group and principal trade area, 1986-1987.
1986 ▩ 1987 □

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 16. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA[b], 1987

Trade area[b]	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	22 213	99 613	4 179 019	5 251 691	2 461 357	5 084 171	6 896 842	14 709 503
Central America	1	910	24 305	27 294	35 300	86 499	149 052	212 555
Mexico	-	10	2	171	33 762	7 942	8 459	42 401
South America	-	-	437	1 129	77 955	154 643	171 828	250 913
Brazil	-	-	-	19	5 952	49 752	49 889	55 860
Chile	-	-	35	280	-	-	678	958
Venezuela	-	-	-	281	61 657	35 974	43 189	105 127
Africa	-	-	19 060	22 073	12 697	15 052	28 911	63 681
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	16	-	162	162	178
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	804	13 378	578 820	745 942	1 491 269	346 702	503 610	2 754 200
Western Europe	804	13 378	578 787	745 487	1 485 262	346 702	503 145	2 747 271
Economic Community	804	9 653	574 269	733 472	1 415 720	346 627	498 827	2 657 671
Belgium-Luxembourg	-	17	55 601	71 323	119 851	3 861	50 930	242 121
Denmark	-	-	468	3 204	2 843	278	361	6 407
France	614	3 016	49 986	61 940	163 474	20 593	24 511	252 940
Germany, Fed. Rep.	-	945	58 118	82 177	414 911	84 822	90 918	588 951
Greece	-	-	278	1 279	13 406	-	491	15 176
Ireland	-	-	8 748	12 483	9 174	2 884	4 025	25 683
Italy	190	5 464	32 837	43 225	289 214	9 426	13 032	350 934
Netherlands	-	-	9 097	13 829	99 893	23 970	27 149	140 871
Portugal	-	89	-	185	554	2 465	4 409	5 237
Spain	-	102	4 409	6 564	36 599	2 911	3 525	46 789
United Kingdom	-	22	354 727	437 262	265 802	195 416	279 477	982 562
Scandinavia	-	3 563	281	6 564	19 769	-	2 339	32 235
Finland	-	-	-	1 626	8 282	-	1 126	11 035
Norway	-	400	18	1 800	-	-	143	2 343
Sweden	-	3 163	263	3 138	11 487	-	1 069	18 857
Other Western Europe	-	162	4 238	5 451	49 774	75	1 979	57 366
Eastern Europe	-	-	33	456	6 007	-	466	6 929
USSR	-	-	-	357	22 996	-	8	23 362
Asia	50 428	349 033	850 956	895 244	1 299 646	273 484	426 274	2 970 197
China, People's Rep.	-	19 962	9 875	10 044	149 664	41 628	70 071	249 741
Hong Kong	-	-	445	3 017	30 692	25 827	40 273	73 981
India	-	181	132	136	43 956	30 727	30 970	75 243
Japan	50 358	312 892	821 838	848 470	744 307	109 243	144 316	2 049 985
Korea, Rep. of (South)	70	12 642	3 302	6 574	117 895	-	10 519	147 630
Middle East - Asia	-	2 412	13 293	16 270	15 132	1 917	17 646	51 461
Southeast Asia	-	321	60	639	109 061	41 487	80 892	190 913
Taiwan	-	622	2 012	9 985	77 419	20 547	27 611	115 638
Oceania	-	75	92 004	94 763	71 684	68 021	87 673	254 195
Australia	-	-	82 633	84 848	71 684	62 488	80 580	237 111
New Zealand	-	75	9 213	9 652	-	4 490	5 550	15 278
World	73 446	463 018	5 745 025	7 040 069	5 473 035	6 028 589	8 265 164	21 241 286

[a]Excluding re-exports.
[b]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17. DOMESTIC EXPORTS[a] OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA[b], 1987

de area[b]	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
ted States	853 745	373 373	34 085 968	35 601 114	2 009 852	3 760 271	7 258 932	9 326 017
ral America	-	17	180 801	112 775	1 719	57 555	151 222	247 626
xico	-	-	24	-	-	55 396	10 084	10 381
h America	-	-	1 239	-	115	120 952	276 813	307 178
azil	-	-	-	-	-	9 581	89 787	89 952
ile	-	-	116	-	115	-	-	882
nezuela	-	-	-	-	-	93 972	67 176	77 728
ca	-	-	129 422	2 072	4 201	19 923	26 462	43 367
geria	-	-	102 469	-	-	-	2 886	2 900
rocco	-	-	-	-	-	-	195	195
ddle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646
pe	324 460	7 865	3 174 693	472 031	330 209	2 175 520	508 207	761 010
tern Europe	324 460	7 865	3 174 634	472 031	329 787	2 168 021	508 207	761 010
nomic Community	199 556	7 865	3 164 591	463 809	319 037	2 065 407	508 142	755 269
elgium-Luxembourg	122	-	232 581	20 095	29 155	165 857	4 822	102 889
enmark	-	-	1 659	1 979	4 918	4 426	377	429
rance	32 817	5 635	289 620	71 591	19 362	236 716	21 764	25 325
ermany, Fed. Rep.	7 175	-	128 920	229 452	38 939	604 762	131 079	138 874
reece	-	-	864	-	1 133	18 952	-	518
reland	-	-	54 543	-	6 640	10 555	3 837	4 388
taly	158 781	2 230	82 010	3 010	23 087	421 675	15 443	20 158
etherlands	-	-	32 111	18 144	15 012	152 938	29 813	35 033
ortugal	86	-	-	-	183	711	4 257	7 507
pain	494	-	11 402	-	2 644	52 228	5 109	5 449
nited Kingdom	82	-	2 330 880	119 538	177 963	396 589	291 641	414 701
ndinavia	123 712	-	1 003	-	9 512	30 262	-	3 485
nland	-	-	-	-	2 537	12 630	-	1 851
rway	-	-	33	-	3 444	-	-	41
weden	123 712	-	970	-	3 531	17 633	-	1 593
er Western Europe	1 191	-	9 040	8 222	1 238	72 352	65	2 256
ern Europe	-	-	59	-	422	7 499	-	-
	-	-	-	-	-	31 569	-	4
	3 219 304	522 906	3 383 055	25 065	89 850	1 970 944	429 363	681 132
na, People's Rep.	387 179	-	75 212	-	190	223 070	77 980	138 922
g Kong	-	-	3 028	-	3 207	42 407	39 019	58 139
ia	1 522	-	1 928	-	-	78 408	51 448	51 448
an	2 510 935	521 423	3 141 711	15 208	58 931	1 130 314	152 059	215 184
ea, Rep. (South)	272 424	1 483	11 381	7 488	7 873	175 641	-	13 206
dle East - Asia	39 647	-	143 531	-	2 572	22 431	2 121	27 645
theast Asia	1 436	-	186	1 858	875	158 967	71 730	127 581
wan	6 160	-	6 079	511	16 202	123 147	31 814	42 183
ia	154	-	337 971	116 556	3 628	104 652	120 598	128 113
tralia	-	-	321 026	86 158	3 280	104 652	111 597	118 281
Zealand	154	-	16 067	22 687	264	-	7 580	7 894
	4 397 662	904 161	41 296 384	36 330 431	2 440 168	8 241 568	8 771 618	11 494 657

uding re-exports.

Section X.B, for details on groupings of trade areas used in this table.

e: Statistics Canada Cat. No. 65-202.

III - 18. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA[a], 1987

Trade area[a]	Primary wood products		Wood-fabricated materials			Paper products		Total fores produc
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	6 470	203 263	139 422	718 646	107 942	-	1 141 374	2 171 2
Central America	-	-	-	1 692	1	-	1 978	3 6
Mexico	-	-	-	708	-	-	1 831	2 5
South America	-	6	-	15 978	5 435	-	14 033	35 4
Brazil	-	-	-	13 587	5 435	-	13 743	32 7
Chile	-	-	-	217	-	-	258	4
Venezuela	-	6	-	-	-	-	-	
Africa	-	-	-	745	-	-	9	7
Algeria	-	-	-	-	-	-	-	
Morocco	-	-	-	17	-	-	-	
Middle East - Africa	-	-	-	-	-	-	-	
Europe	8	1 525	12	28 830	3 528	-	274 336	308 2
Western Europe	8	1 525	12	28 695	3 528	-	273 983	307 7
Economic Community	8	23	7	22 190	2 515	-	175 752	200 4
Belgium-Luxembourg	-	-	-	517	-	-	3 618	4 1
Denmark	-	-	-	1 770	-	-	933	2 7
France	-	11	-	467	-	-	45 692	46 1
Germany, Fed. Rep.	8	12	-	3 579	-	-	43 324	46 9
Greece	-	-	-	14	-	-	-	
Ireland	-	-	-	-	-	-	19	
Italy	-	-	-	6 208	-	-	4 552	10 7
Netherlands	-	-	-	555	-	-	20 673	21 2
Portugal	-	-	-	6 127	461	-	23	6 6
Spain	-	-	-	1 083	2 054	-	4 648	7 7
United Kingdom	-	-	7	1 869	-	-	52 270	54 1
Scandinavia	-	1 493	5	6 158	1 013	-	92 277	100 9
Finland	-	1 493	-	3 336	268	-	65 763	70 8
Norway	-	-	-	94	-	-	272	3
Sweden	-	-	5	2 727	745	-	26 242	29 7
Other Western Europe	-	9	-	347	-	-	5 954	6 3
Eastern Europe	-	-	-	135	-	-	353	4
USSR	-	-	-	935	-	-	-	9
Asia	-	175	7	103 876	-	-	33 123	137 1
China, People's Rep.	-	-	-	999	-	-	1 582	2 5
Hong Kong	-	-	-	3 538	-	-	2 218	5 7
India	-	-	-	82	-	-	18	1
Japan	-	-	-	1 968	-	-	24 401	23 3
Korea, Rep. of (South)	-	-	-	7 228	-	-	3 753	10 9
Middle East - Asia	-	-	-	19	-	-	--	
Southeast Asia	-	-	7	64 157	-	-	659	64 8
Taiwan	-	89	-	25 449	-	-	3 490	29 0
Oceania	-	-	-	182	-	-	233	4
Australia	-	-	-	45	-	-	38	
New Zealand	-	-	-	137	-	-	194	3
World	6 479	204 969	139 441	870 884	142 687	-	1 465 085	2 683 6

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA[a], 1987

Trade area[a]	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	3 838 161	108 249	740 092	-	1 087 899	154 274	-	644 339
Central America	-	-	-	-	553	-	-	1 529
Mexico	-	-	-	-	57	-	-	1 529
South America	361	-	-	-	52 229	7 235	-	27 867
Brazil	-	-	-	-	49 323	7 235	-	26 942
Chile	-	-	-	-	69	-	-	822
Venezuela	361	-	-	-	-	-	-	-
Africa	-	-	-	-	1 074	-	-	10
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	227	110	229	-	10 217	4 995	-	167 187
Western Europe	227	110	229	-	10 217	4 995	-	166 280
Economic Community	149	110	97	-	5 967	3 606	-	75 623
Belgium-Luxembourg	-	-	-	-	146	-	-	862
Denmark	-	-	-	-	1 045	-	-	34
France	118	-	-	-	18	-	-	23 499
Germany, Fed. Rep.	32	110	-	-	790	-	-	16 117
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	743	-	-	1 791
Netherlands	-	-	-	-	1 794	-	-	12 876
Portugal	-	-	-	-	1 076	588	-	3
Spain	-	-	-	-	147	3 018	-	3 020
United Kingdom	-	-	97	-	208	-	-	17 421
Scandinavia	-	-	132	-	4 118	1 389	-	87 374
Finland	-	-	-	-	1 370	390	-	72 403
Norway	-	-	-	-	76	-	-	94
Sweden	-	-	132	-	2 672	999	-	14 878
Other Western Europe	77	-	-	-	133	-	-	3 283
Eastern Europe	-	-	-	-	-	-	-	906
USSR	-	-	-	-	2 055	-	-	-
Asia	177	-	68	-	123 090	-	-	9 949
China, People's Rep.	-	-	-	-	550	-	-	1 129
Hong Kong	-	-	-	-	3 710	-	-	6
India	-	-	-	-	-	-	-	-
Japan	-	-	-	-	745	-	-	4 941
Korea, Rep. of (South)	-	-	-	-	566	-	-	2 027
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	-	-	68	-	99 526	-	-	1 670
Taiwan	-	-	-	-	17 495	-	-	177
Oceania	-	-	-	-	193	-	-	132
Australia	-	-	-	-	179	-	-	-
New Zealand	-	-	-	-	14	-	-	132
World	3 838 926	108 359	740 390	-	1 277 312	204 543	-	851 014

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 20. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA[a], 1987

Trade area[a]	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	15 743	-103 634[b]	4 041 505	4 541 946	2 353 886	5 084 243	5 774 974	12 567 173
Central America	1	910	24 312	25 921	35 298	86 499	147 458	209 587
Mexico	-	10	2	-537	33 762	7 942	6 701	39 935
South America	-	-6	437	-14 813	72 520	154 643	157 815	215 517
Brazil	-	-	-	-13 568	517	49 752	36 146	23 096
Chile	-	-	35	86	-	-	440	526
Venezuela	-	-6	-	281	61 657	35 974	43 189	105 121
Africa	-	-	19 060	21 527	12 697	15 052	28 906	63 129
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	-1	-	162	162	162
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	795	14 975	579 304	788 217	1 488 033	346 705	230 102	2 521 327
Western Europe	795	14 975	579 272	787 897	1 482 026	346 705	229 989	2 514 886
Economic Community	795	12 671	574 693	776 250	1 413 497	346 630	323 895	2 526 314
Belgium-Luxembourg	-	159	55 612	80 289	119 851	3 861	47 430	247 728
Denmark	-	-	482	2 345	2 843	278	-564	4 623
France	614	4 651	49 986	74 019	163 474	20 593	-20 891	221 254
Germany, Fed. Rep.	-8	2 105	58 129	91 451	415 072	84 825	47 748	556 376
Greece	-	-	278	1 575	13 406	-	491	15 472
Ireland	-	-	8 748	13 036	9 174	2 884	4 021	26 231
Italy	190	5 544	32 837	41 500	289 214	9 426	8 480	344 738
Netherlands	-	-	9 097	22 279	99 893	23 970	6 488	128 660
Portugal	-	89	-	-5 932	93	2 465	4 386	-1 365
Spain	-	102	4 409	6 057	34 545	2 911	-1 116	39 587
United Kingdom	-	22	355 115	449 633	265 933	195 416	227 422	943 010
Scandinavia	-	2 070	276	5 892	18 755	-	-89 932	-63 215
Finland	-	-1 493	-	-424	8 014	-	-64 636	-58 538
Norway	-	400	18	2 335	-	-	-129	2 606
Sweden	-	3 163	258	3 979	10 742	-	-25 168	-7 284
Other Western Europe	-	234	4 303	5 755	49 774	75	-3 974	51 788
Eastern Europe	-	-	33	320	6 007	-	113	6 441
USSR	-	-	-	-577	22 996	-	8	22 427
Asia	50 919	350 062	850 992	797 770	1 299 701	273 485	393 607	2 841 141
China, People's Rep.	-	19 962	9 875	9 045	149 664	41 628	68 489	247 160
Hong Kong	-	-	445	-481	30 692	25 827	38 093	68 304
India	-	181	132	54	43 956	30 727	30 952	75 143
Japan	50 849	313 509	821 878	851 347	744 307	109 244	123 205	2 032 367
Korea, Rep. of (South)	70	12 917	3 302	-434	117 895	-	6 793	137 170
Middle East - Asia	-	2 412	13 297	16 645	15 132	1 917	17 660	51 849
Southeast Asia	-	457	52	-63 414	109 061	41 487	80 308	126 412
Taiwan	-	709	2 012	-14 662	77 474	20 547	24 133	87 654
Oceania	-	75	92 049	94 683	71 684	68 021	87 459	253 901
Australia	-	-	82 678	84 892	71 684	62 488	80 560	237 136
New Zealand	-	75	9 213	9 528	-	4 490	5 356	14 959
World	67 458	262 392	5 608 084	6 256 250	5 331 165	6 028 664	6 821 294	18 671 100

[a]See Section X.B, for details on groupings of trade areas used in this table.
[b]The - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21. BALANCE OF TRADE OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA[a], 1987

rade area[a]	Primary wood products		Wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
nited States	-2 984 312	265 123	33 354 239	35 645 754	927 857	3 606 480	7 259 022	8 685 498
entral America	-	17	180 832	112 775	1 497	57 555	151 222	246 097
Mexico	-	-	24	-	-57	55 396	10 084	8 852
outh America	-361	-	1 239	-	-52 102	113 717	276 813	279 316
Brazil	-	-	-	-	-49 323	2 346	89 787	63 010
Chile	-	-	116	-	46	-	-	64
Venezuela	-361	-	-	-	-	93 972	67 176	77 728
rica	-	-	129 422	2 072	3 485	19 923	26 462	43 359
Algeria	-	-	102 469	-	-	-	2 886	2 900
Morocco	-	-	-	-	-	-	195	195
Middle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646
rope	339 852	7 755	3 177 001	472 031	434 632	2 170 538	508 219	594 072
estern Europe	339 852	7 755	3 176 942	472 031	434 210	2 163 039	508 219	594 978
Economic Community	214 890	7 755	3 166 878	463 809	420 180	2 061 814	508 154	679 895
Belgium-Luxembourg	1 264	-	232 644	20 095	46 346	165 857	4 822	102 038
Denmark	-	-	1 682	1 979	5 128	4 426	377	395
France	42 208	5 635	289 620	71 591	38 322	236 716	21 764	1 935
Germany, Fed. Rep.	11 868	-110	128 950	229 452	59 094	604 767	131 091	122 840
Greece	-	-	864	-	1 664	18 952	-	518
Ireland	-	-	54 543	-	7 383	10 555	3 837	4 388
Italy	158 889	2 230	82 010	3 010	31 973	421 675	15 443	18 368
Netherlands	-	-	32 111	18 144	27 501	152 938	29 813	22 156
Portugal	86	-	-	-	-857	123	4 257	7 504
Spain	494	-	11 402	-	3 822	49 210	5 109	2 428
United Kingdom	82	-	2 333 049	119 538	199 806	396 596	291 641	397 327
candinavia	123 712	-	871	-	12 195	28 873	-	-83 889
Finland	-	-	-	-	2 866	12 240	-	-70 552
Norway	-	-	33	-	4 143	-	-	-53
Sweden	123 712	-	838	-	5 186	16 633	-	-13 285
ther Western Europe	1 250	-	9 194	8 222	1 835	72 352	65	-1 027
stern Europe	-	-	59	-	422	7 499	-	-906
R	-	-	-	-	-2 055	31 569	-	4
a	3 224 128	528 137	3 383 088	25 065	-24 776	1 971 042	429 364	671 199
hina, People's Rep.	387 179	-	75 212	-	-360	223 070	77 980	137 793
ong Kong	-	-	3 028	-	-502	42 407	39 019	58 133
ndia	1 522	-	1 928	-	-	78 408	51 448	51 448
apan	2 512 584	526 653	3 141 801	15 208	64 230	1 130 314	152 060	210 244
orea, Rep. of (South)	274 861	1 483	11 381	7 488	7 634	175 641	-	11 179
iddle East - Asia	39 647	-	143 543	-	3 095	22 431	2 121	27 645
outheast Asia	2 034	-	118	1 858	-98 543	158 967	71 730	125 926
aiwan	6 478	-	6 079	511	167	123 245	31 814	42 006
nia	154	-	338 078	116 556	3 577	104 652	120 598	127 981
stralia	-	-	321 132	86 158	3 176	104 652	111 597	118 281
w Zealand	154	-	16 067	22 687	316	-	7 580	7 762
d	579 461	801 033	40 567 132	36 375 071	1 292 709	8 037 619	8 771 720	10 647 736

Section X.B, for details on groupings of trade areas used in this table.

ce: Statistics Canada Cat. No. 65-202 and 65-203.

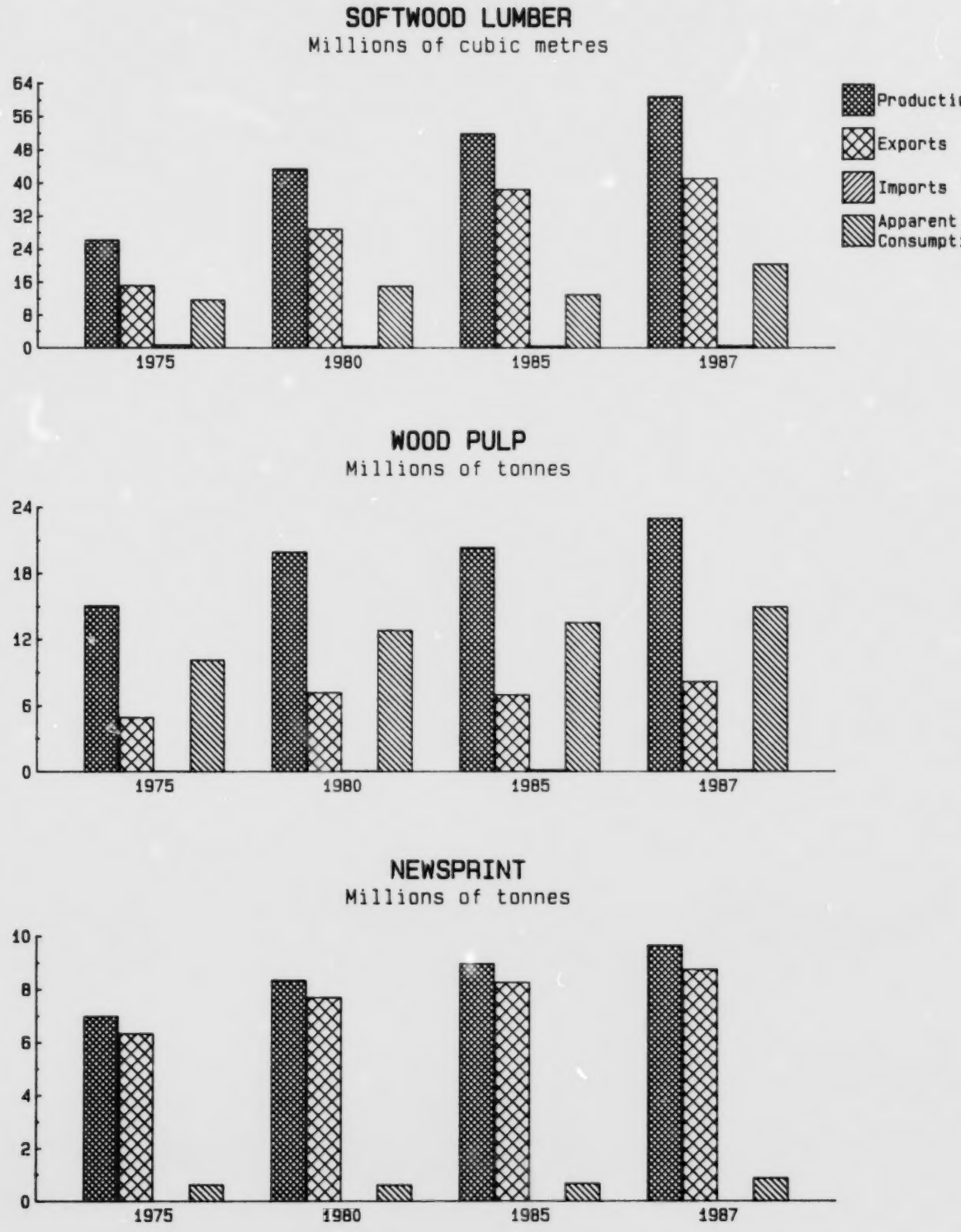

Figure 20. Production, trade and apparent domestic consumption of selected forest products, 1975-1987.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

SECTION IV

PRINCIPAL STATISTICS

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

Establishments providing data for the Census of Manufactures are classified according to the Standard Industrial Classification (SIC) system. Data are assigned to the various industries on the basis of the principal activity of the establishment.

This **classification system** is revised every 10 years and commencing with the 1983 data year, the Census of Manufactures has been compiled according to the 1980 version of the SIC.

In this section, 1970-1981 data have been compiled according to the 1970 version of the SIC and 1982-1986 according to the **1980 version.**

Detailed definitions of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The **headings** used in the principal statistics tables are **briefly described** in section X.A, "User's guide - Definition of terms." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

IV - 1. FOREST INDUSTRIES BY SECTOR, 1986

Sector	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000			Number	$000 000	
Logging	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297
Wood industries	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523
Paper and allied industries	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917
Total forest industries (A)	**8 276**	**224 630**	**457 432**	**6 313**	**2 270**	**19 272**	**38 276**	**16 668**	**273 789**	**8 172**	**16 737**
Total manufacturing industries	38 380	1 351 563	2 852 526	33 083	7 032	143 336	253 411	102 429	1 808 716	48 749	107 550
Logging and manufacturing industries (B)	42 380	1 392 425	2 927 538	34 208	7 252	146 591	259 187	104 689	1 854 476	50 062	109 847
Percentage A from B	19.5	16.1	15.6	18.5	31.3	13.1	14.8	15.9	14.8	16.3	15.2

[a]Excluding 2366 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

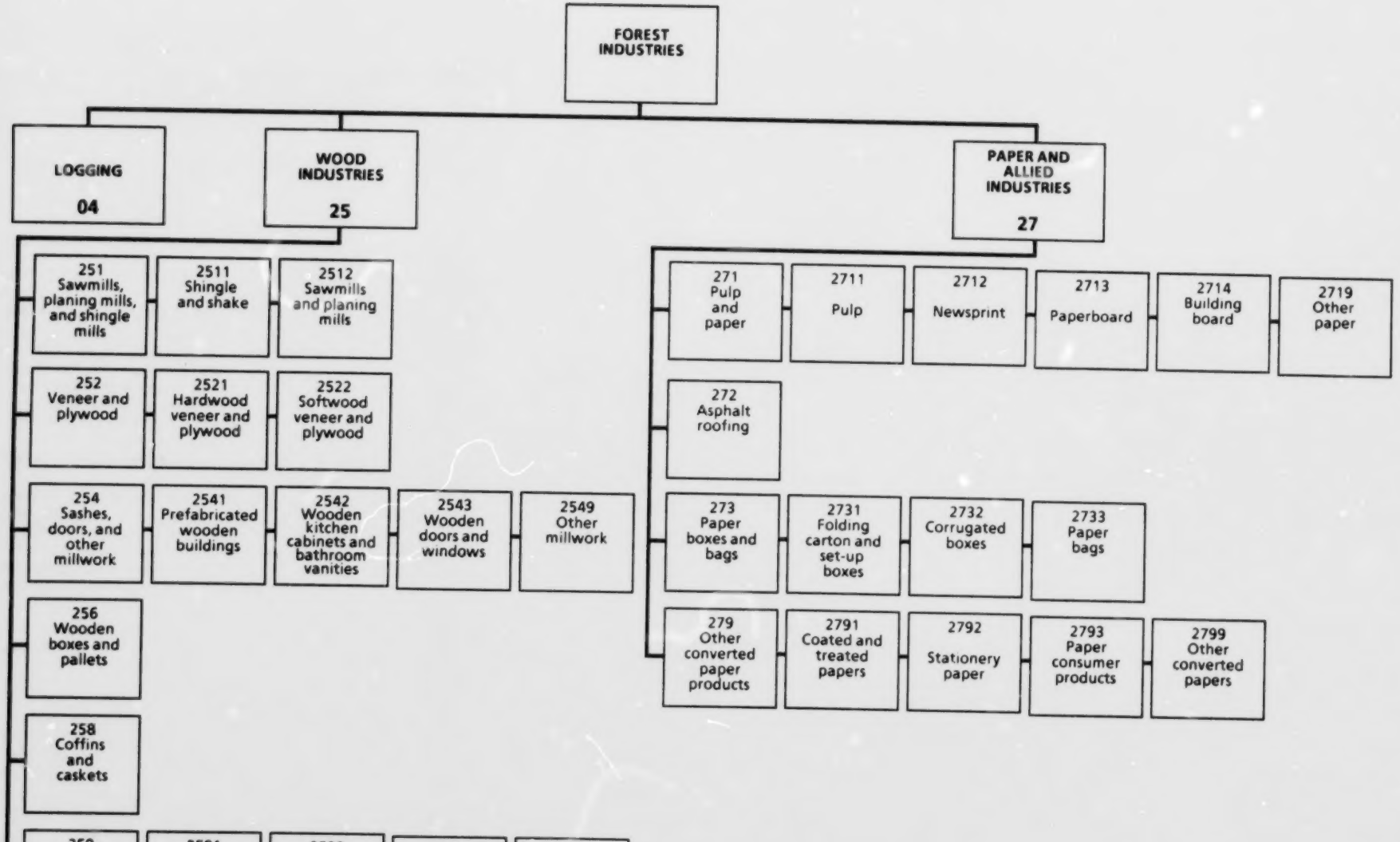

Figure 21. Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.

IV - 2. WOOD INDUSTRIES, 1986

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Total activity: Total employees[a]: Number	Salaries and wages	Total value added
				1 000	$000 000						$000 000	
Sawmill, planing mill, and shingle mill products	251	1 294	50 708	103 676	1 401	241	4 104	7 618	3 295	59 238	1 723	3 303
Shingle and shake industry	2 511	134	2 405	4 285	55	5	138	231	86	2 550	60	87
Sawmills and planing mills	2 512	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
Veneer and plywood industry	252	78	7 679	14 476	185	30	455	916	434	8 780	225	439
Sash, door, and other millwork	254	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229
Prefabricated wooden building industry	2 541	89	2 059	4 322	38	3	193	311	117	2 857	63	136
Wooden kitchen cabinet, bathroom vanity industry	2 542	747	8 073	16 772	150	8	283	624	335	9 305	185	334
Wooden door and window ind.	2 543	386	8 976	19 196	173	13	569	1 023	450	10 849	232	460
Other millwork industries	2 549	377	6 797	14 545	133	11	333	631	293	7 681	160	299
Wooden box and pallet industry	256	206	2 676	5 443	43	5	120	218	93	3 084	54	95
Coffin and casket industry	258	27	622	1 316	12	1	19	43	24	717	15	24
Other wood industries	259	374	7 298	15 536	160	40	583	1 049	433	8 455	200	435
Wood preservation	2 591	59	1 190	2 328	28	6	174	250	74	1 490	39	78
Particleboard	2 592	25	1 541	3 539	42	14	154	296	128	1 911	55	126
Waferboard	2 593	11	1 182	2 572	36	14	118	248	117	1 393	44	115
Other wood industries	2 599	279	3 385	7 097	54	6	137	255	114	3 661	62	116
Wood industries	25	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523

[a] Excluding 769 working owners and partners.
[b] 1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 35-250.

IV - 3. PAPER AND ALLIED INDUSTRIES, 1986

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
				1 000			$000 000				$000 000	
Pulp and paper industries	**271**	**142**	**60 386**	**128 137**	**2 189**	**1 619**	**6 335**	**15 072**	**7 020**	**79 570**	**2 999**	**6 974**
Pulp industry	2 711	38	14 366	30 951	548	363	2 037	4 267	1 775	18 506	739	1 732
Newsprint industry	2 712	42	29 420	61 703	1 085	895	2 607	7 183	3 668	38 892	1 493	3 677
Paperboard industry	2 713	28	6 253	13 171	219	197	594	1 470	671	7 998	284	673
Building board industry	2 714	6	803	1 630	22	14	31	101	54	932	27	54
Other paper industries	2 719	28	9 544	20 681	316	150	1 066	2 051	852	13 242	457	837
Asphalt roofing industry	**272**	**19**	**1 333**	**2 838**	**35**	**15**	**233**	**450**	**198**	**1 904**	**54**	**208**
Paper box and bag industries	**273**	**253**	**14 996**	**30 960**	**391**	**33**	**1 567**	**2 496**	**895**	**19 214**	**533**	**897**
Folding carton and set-up box industry	2 731	106	5 487	11 363	137	8	448	784	328	6 759	180	331
Corrugated box industry	2 732	118	7 899	16 385	217	22	964	1 462	473	10 370	300	472
Paper bag industry	2 733	29	1 610	3 212	37	3	155	250	94	2 085	53	94
Other converted paper products industries	**279**	**284**	**12 165**	**25 205**	**277**	**30**	**1 221**	**2 047**	**822**	**16 375**	**417**	**839**
Coated and treated paper	2 791	52	2 854	6 004	59	8	299	496	198	3 890	90	198
Stationary paper products	2 792	71	2 951	6 241	64	4	207	384	183	4 066	98	194
Paper consumer products	2 793	17	1 650	3 246	45	3	294	452	156	2 363	73	154
Other converted paper products	2 799	144	4 710	9 714	109	15	421	715	285	6 056	156	293
Paper and allied industries	**27**	**698**	**88 880**	**187 139**	**2 893**	**1 699**	**9 358**	**20 067**	**8 935**	**117 063**	**4 003**	**8 917**

[a] Excluding 21 working owners and partners.
[b] 1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-250.

IV - 4. FOREST INDUSTRIES SUMMARY[a], 1965-1986

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[b]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581
1970	6 613	210 714	453 298	1 475	279	3 782	7 264	3 224	261 139	1 942	3 313
1971	6 242	208 625	445 902	1 592	318	4 006	7 731	3 433	258 839	2 090	3 519
1972	6 533	219 284	467 590	1 810	347	4 628	9 091	4 090	271 010	2 364	4 213
1973	6 840	237 514	500 889	2 155	398	5 844	11 431	5 387	292 324	2 793	5 562
1974	7 010	239 726	505 789	2 511	570	6 947	14 033	6 772	297 386	3 281	6 937
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180	12 285
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315	10 234
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987	12 085
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381	13 734
1985	7 903	218 198	450 073	6 003	2 419	17 935	34 659	14 346	267 709	7 779	14 399
1986	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172	16 737

[a]Logging, wood industries, and paper and allied industries.
[b]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 5. FOREST INDUSTRIES SUMMARY BY PROVINCE, 1986

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000					Number	$000 000	
Nfld.	127	x	x	x	x	x	x	x	x	x	x
P.E.I.	31	174	342	2	--	8	13	4	225	4	8
N.S.	314	5 218	10 987	121	74	380	825	368	6 435	165	369
N.B.	405	11 165	23 375	303	190	1 002	1 931	729	13 526	390	724
Que.	2 144	67 753	140 172	1 759	724	5 189	10 793	4 808	84 724	2 343	4 847
Ont.	1 797	61 799	130 088	1 646	509	5 264	10 030	4 311	75 808	2 168	4 337
Man.	156	3 338	6 972	76	25	251	508	227	4 082	102	229
Sask.	152	x	x	x	x	x	x	x	x	x	x
Alta.	379	7 232	14 757	206	42	638	1 207	530	8 828	264	545
B.C.	2 771	63 220	120 989	2 066	627	6 136	12 120	5 341	74 306	2 567	5 323
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1	-
Total	**8 276**	**224 630**	**457 432**	**6 313**	**2 270**	**19 272**	**38 276**	**16 668**	**273 789**	**8 172**	**16 737**

[a]Excluding 2366 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

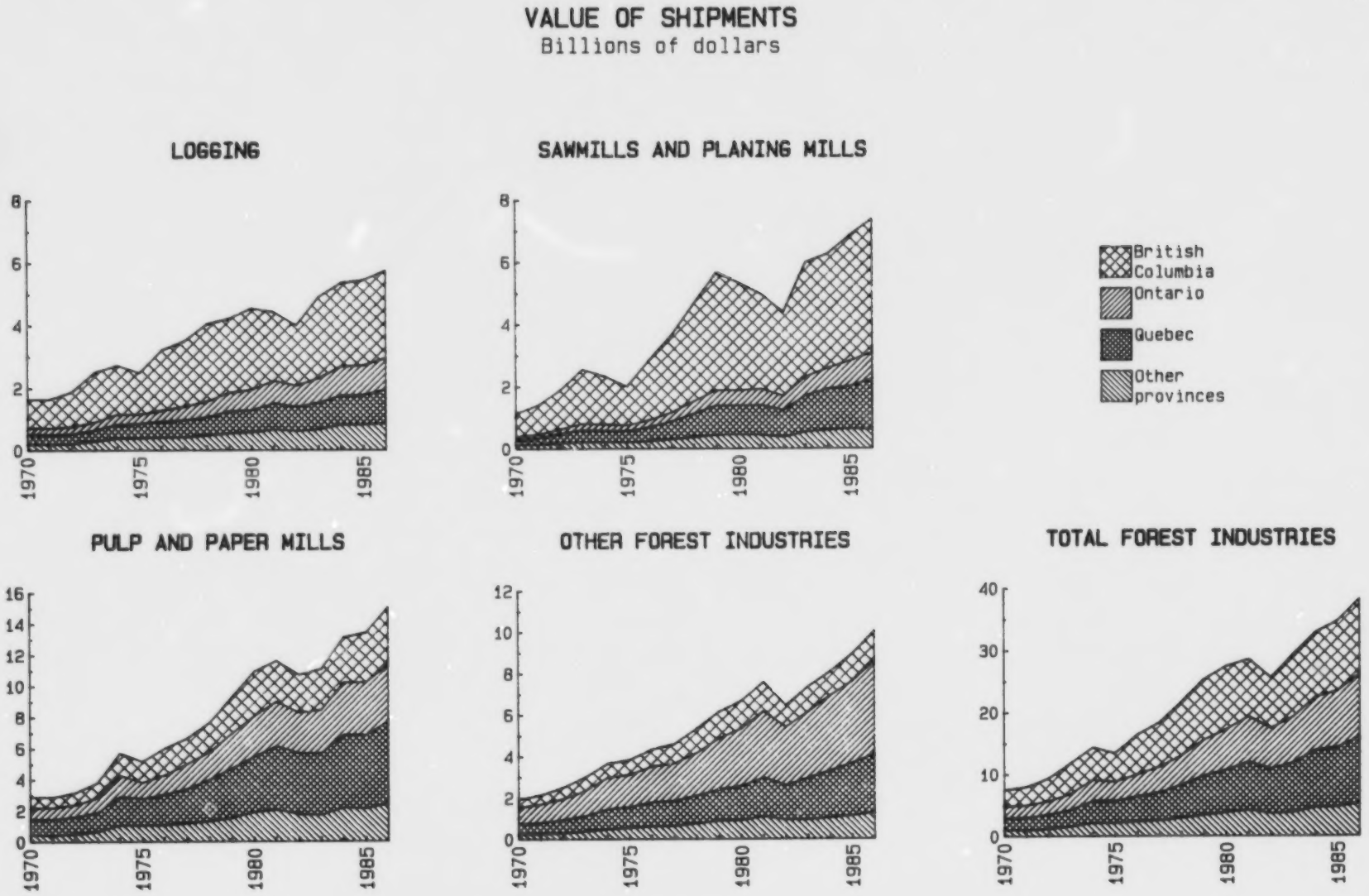

Figure 22. Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 6. LOGGING BY PROVINCE, 1986

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000					Number	$000 000	
Nfld.	63	925	1 775	20	4	61	95	32	1 067	26	33
P.E.I.	9	18	27	--	--	--	1	--	18	--	1
N.S.	172	1 048	1 925	17	4	107	147	37	1 246	24	40
N.B.	232	2 512	5 060	56	18	223	365	127	2 970	70	128
Atlantic provinces	476	4 503	8 787	93	26	391	608	196	5 301	120	202
Que.	809	9 027	17 230	222	45	549	1 096	452	10 363	268	464
Ont.	570	7 419	14 551	230	50	537	1 015	447	8 527	272	456
Man.	38	289	612	9	1	34	54	18	352	12	17
Sask.	76	421	660	10	4	51	91	34	506	13	36
Alta.	124	754	1 406	24	5	61	114	47	863	29	46
Prairies	238	1 464	2 678	43	10	146	259	99	1 721	54	99
B.C.	1 907	18 449	31 765	537	90	1 633	2 796	1 066	19 848	600	1 076
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1	-
Total	**4 000**	**40 862**	**75 012**	**1 125**	**220**	**3 255**	**5 776**	**2 260**	**45 760**	**1 313**	**2 297**

[a]Excluding 1576 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 7. WOOD INDUSTRIES BY PROVINCE, 1986

Province or territory	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Nfld.	56	296	624	5	1	15	23	7	399	5	8
P.E.I.	22	156	315	2	--	8	12	4	207	4	7
N.S.	127	1 762	3 834	28	5	78	148	67	2 053	35	70
N.B.	154	3 712	8 047	71	14	232	401	155	4 205	85	156
Atlantic provinces	359	5 926	12 820	106	20	333	584	233	6 864	129	241
Que.	1 127	27 035	56 514	526	83	1 686	3 049	1 268	31 891	660	1 284
Ont.	898	22 598	48 409	471	66	1 351	2 485	1 084	25 852	583	1 091
Man.	96	1 871	3 761	34	3	93	184	87	2 223	46	88
Sask.	71	1 024	2 080	24	6	76	137	59	1 264	31	58
Alta.	225	4 731	9 635	125	19	335	640	295	5 668	157	313
Prairies	392	7 626	15 476	183	28	504	961	441	9 155	234	459
B.C.	802	31 703	62 062	1 009	153	2 785	5 354	2 447	37 204	1 250	2 448
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**3 578**	**94 888**	**195 281**	**2 295**	**351**	**6 659**	**12 433**	**5 473**	**110 966**	**2 856**	**5 523**

[a]Excluding 769 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1986

Province or territory	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Nfld.	8	x	x	x	x	x	x	x	x	x	x
P.E.I.	-	-	-	-	-	-	-	-	-	-	-
N.S.	15	2 408	5 228	76	65	195	530	264	3 136	106	259
N.B.	19	4 941	10 268	176	158	547	1 165	447	6 351	235	440
Que.	208	31 691	66 428	1 011	596	2 954	6 648	3 088	42 470	1 415	3 099
Ont.	329	31 782	67 128	945	393	3 376	6 530	2 780	41 429	1 313	2 790
Man.	22	1 178	2 599	33	21	124	270	122	1 507	44	124
Sask.	5	x	x	x	x	x	x	x	x	x	x
Alta.	30	1 747	3 716	57	18	242	453	188	2 297	78	186
B.C.	62	13 068	27 162	520	384	1 718	3 970	1 828	17 254	717	1 799
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**698**	**88 880**	**187 139**	**2 893**	**1 699**	**9 358**	**20 067**	**8 935**	**117 063**	**4 003**	**8 917**

[a]Excluding 21 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 9. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY, 1970-1986

Year	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity					
		Wood industries			Paper and allied industries			Wood industries			Paper and allied industries		
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries
	1 000 m^3						$000 000						
1970	117 324	683	436	790	1 323	1 781	3 254	694	439	802	1 331	1 817	3 313
1971	117 991	686	572	1 003	1 273	1 772	3 461	698	574	1 017	1 277	1 804	3 519
1972	120 748	814	865	1 397	1 374	1 928	4 139	829	869	1 422	1 380	1 962	4 213
1973	140 343	1 089	1 275	1 947	1 804	2 439	5 475	1 109	1 280	1 977	1 813	2 476	5 562
1974	134 416	1 221	976	1 708	3 034	3 888	6 817	1 244	983	1 748	3 049	3 945	6 937
1975	111 497	1 098	849	1 655	2 569	3 398	6 151	1 126	851	1 690	2 601	3 470	6 286
1976	135 227	1 300	1 262	2 207	2 845	3 774	7 281	1 348	1 268	2 236	2 876	3 844	7 428
1977	141 580	1 400	1 719	2 726	3 056	4 004	8 130	1 440	1 723	2 762	3 070	4 032	8 234
1978	150 918	1 564	2 257	3 507	3 504	4 539	9 610	1 647	2 260	3 550	3 508	4 565	9 762
1979	156 464	1 822	2 610	3 965	4 539	5 733	11 520	2 053	2 617	4 021	4 531	5 756	11 830
1980	150 649	1 927	2 085	3 398	5 350	6 737	12 062	2 049	2 089	3 466	5 355	6 770	12 285
1981	139 084	1 857	1 828	3 379	5 406	6 944	12 180	1 883	1 827	3 447	5 401	6 965	12 295
1982	121 343	1 616	1 489	2 662	4 535	5 869	10 147	1 650	1 494	2 708	4 515	5 876	10 234
1983	150 724	2 105	2 455	3 942	4 410	5 929	11 976	2 152	2 463	3 993	4 380	5 940	12 085
1984	160 867	2 172	2 410	4 006	5 845	7 506	13 684	2 191	2 410	4 051	5 802	7 492	13 734
1985	161 985	2 167	2 777	4 624	5 773	7 555	14 346	2 187	2 786	4 688	5 720	7 524	14 399
1986	170 263	2 260	3 209	5 473	7 020	8 935	16 668	2 297	3 216	5 523	6 974	8 917	16 737

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY BY PROVINCE, 1986

Province or territory	Industrial roundwood production	Value added, manufacturing activity							Value added, total activity						
			Wood industries		Paper and allied industries					Wood industries		Paper and allied industries			
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m^3	$000 000						%	$000 000						%
Nfld.	1 966	32	5	7	x	x	x	x	33	5	8	x	x	x	x
P.E.I.	160	--	1	4	x	-	4	x	1	1	7	x	-	8	--
N.S.	3 533	37	40	67	238	264	368	2.2	40	40	70	233	259	369	2.2
N.B.	8 380	127	91	155	433	447	729	4.4	128	92	156	427	440	724	4.3
Atlantic provinces	14 039	196	137	233	x	x	x	x	202	138	241	x	x	x	x
Que.	32 526	452	647	1 268	2 547	3 088	4 808	28.8	464	652	1 284	2 547	3 099	4 847	29.0
Ont.	27 859	447	322	1 084	1 686	2 780	4 311	25.9	456	323	1 091	1 680	2 790	4 337	25.9
Man.	1 590	18	9	87	x	122	227	1.4	17	9	88	x	124	229	1.4
Sask.	3 339	34	21	59	x	x	x	x	36	21	58	x	x	x	x
Alta.	10 298	47	146	295	x	188	530	3.2	46	145	313	x	186	545	3.3
Prairies	15 227	99	176	441	x	x	x	x	99	175	459	x	x	x	x
B.C.	77 503	1 066	1 928	2 447	1 724	1 828	5 341	32.0	1 076	1 928	2 448	1 694	1 799	5 323	31.8
Yukon and N.W.T.	-	-	-	-	-	-	-	x	-	-	-	-	-	-	x
Total	**167 154**	**2 260**	**3 209**	**5 473**	**7 020**	**8 935**	**16 668**	**100.0**	**2 297**	**3 216**	**5 523**	**6 974**	**8 917**	**16 737**	**100.0**

Source: Statistics Canada Cat. No. 25-201 and 25-202.

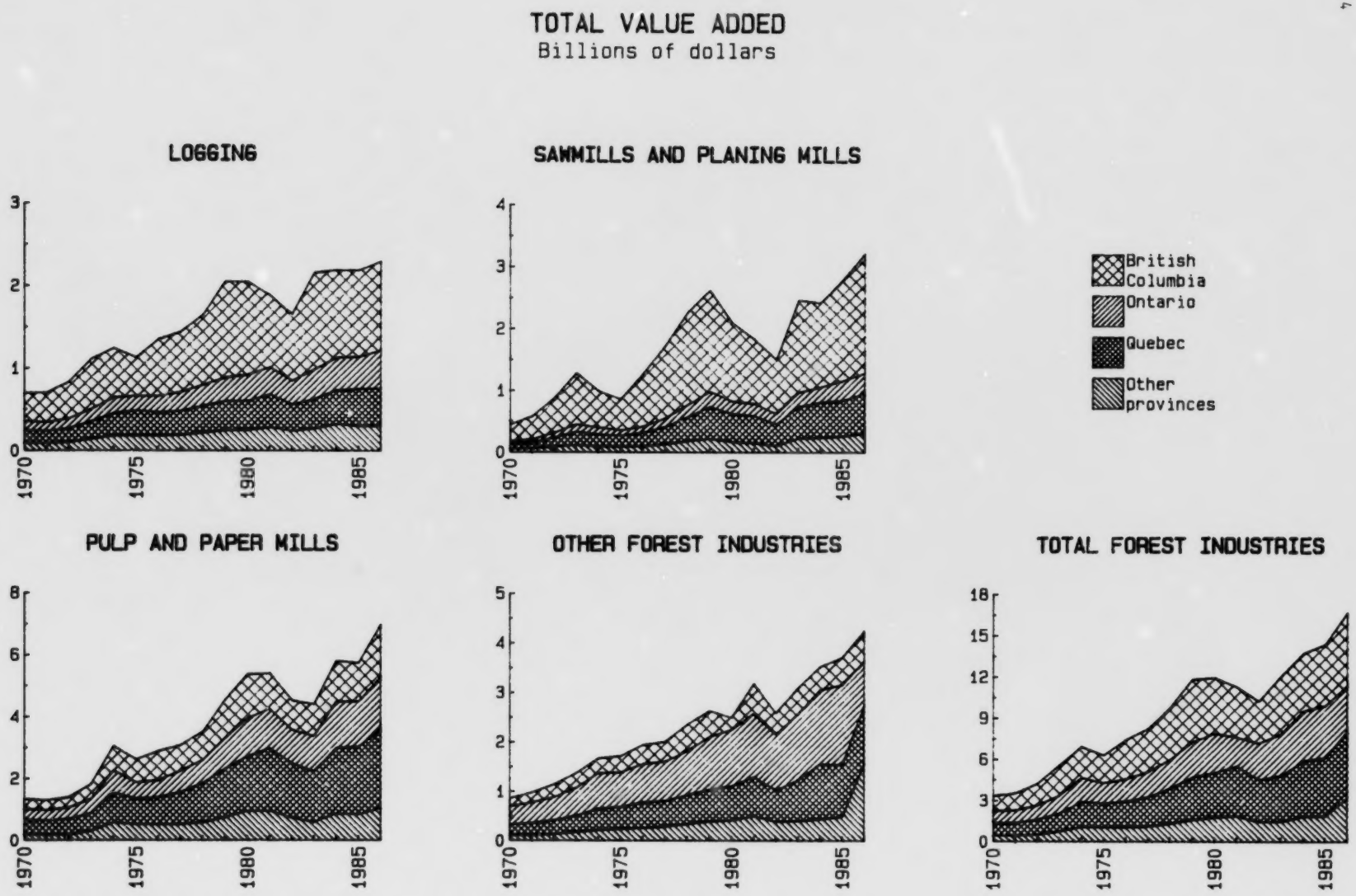

Figure 23. Total value added in the forest industries by sector and region, 1970-1986.

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986

Activity/ province or territory	Manufacturing activity								Total activity		
		Production and related workers							Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)											
Nfld.	40	178	372	2	1	6	11	5	247	3	5
P.E.I.	10	35	66	--	--	1	2	1	39	1	1
N.S.	74	1 024	2 229	16	3	36	79	40	1 149	19	40
N.B.	79	2 377	5 166	46	9	147	251	95	2 634	54	96
Atlantic provinces	203	3 614	7 833	64	13	190	343	141	4 069	77	142
Que.	355	13 530	28 401	282	55	911	1 645	657	16 045	348	662
Ont.	210	6 798	14 132	162	31	501	851	322	7 685	194	323
Man.	16	322	583	7	1	19	31	9	368	8	9
Sask.	9	345	662	10	2	32	52	21	411	12	21
Alta.	45	2 155	4 322	66	11	161	307	146	2 364	74	145
Prairies	70	2 822	5 567	83	14	212	390	176	3 143	94	175
B.C.	456	23 944	47 742	810	128	2 291	4 389	2 000	28 296	1 011	2 001
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**1 294**	**50 708**	**103 676**	**1 401**	**241**	**4 104**	**7 618**	**3 296**	**59 238**	**1 723**	**3 303**
B. Shingle and shake industry (S.I.C. 2511)											
N.B.	12	165	287	2	--	3	7	4	172	3	4
Que.	16	341	668	6	1	8	18	10	341	6	10
B.C.	106	1 899	3 330	47	4	127	206	72	2 037	51	73
Total	**134**	**2 405**	**4 285**	**55**	**5**	**138**	**231**	**86**	**2 550**	**60**	**87**

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Estab-lishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	40	178	372	2	1	6	11	5	247	3	5
P.E.I.	10	35	66	--	--	1	2	1	39	1	1
N.S.	74	1 024	2 229	16	3	36	79	40	1 149	19	40
N.B.	67	2 212	4 879	44	9	144	244	91	2 462	51	92
Atlantic provinces	191	3 449	7 546	62	13	187	336	137	3 897	74	138
Que.	339	13 189	27 733	276	54	903	1 627	647	15 704	342	652
Ont.	210	6 798	14 132	162	31	501	851	322	7 685	194	323
Man.	16	322	583	7	1	19	31	9	368	8	9
Sask.	9	345	662	10	2	32	52	21	411	12	21
Alta.	45	2 155	4 322	66	11	161	307	146	2 364	74	145
Prairies	70	2 822	5 567	83	14	212	390	176	3 143	94	175
B.C.	350	22 045	44 412	763	124	2 164	4 183	1 928	26 259	960	1 928
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**1 160**	**48 303**	**99 391**	**1 346**	**236**	**3 966**	**7 387**	**3 209**	**56 688**	**1 663**	**3 216**
D. Veneer and plywood industries (S.I.C. 252)											
Que.	29	1 321	2 702	22	4	108	170	61	1 633	32	67
B.C.	22	3 962	6 717	109	16	235	503	252	4 361	125	250
Others	27	2 396	5 057	54	10	112	243	121	2 786	68	122
Total	**78**	**7 679**	**14 476**	**185**	**30**	**455**	**916**	**434**	**8 780**	**225**	**439**

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000			$000 000				$000 000	
E. Sash, door, and other millwork industries (S.I.C. 254)											
N.S.	32	573	1 272	9	--	26	48	21	722	13	23
Que.	581	8 588	17 769	152	12	458	824	361	9 977	190	363
Ont.	443	9 957	21 748	192	12	504	998	495	11 444	243	496
Alta.	128	1 451	3 087	30	2	96	160	62	2 025	48	81
B.C.	231	2 739	5 651	65	6	175	322	143	3 320	82	144
Others	184	2 597	5 308	46	3	119	237	115	3 204	64	122
Total	**1 599**	**25 905**	**54 835**	**494**	**35**	**1 378**	**2 589**	**1 195**	**30 692**	**640**	**1 229**
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	6	217	455	3	--	11	20	9	270	5	9
Que.	35	710	1 459	12	1	69	115	46	884	17	47
Ont.	16	594	1 281	11	1	63	102	40	784	17	40
Alta.	10	360	801	8	1	40	53	12	635	17	29
B.C.	18	154	276	4	1	9	20	10	237	6	10
Others	4	24	50	--	--	1	1	--	47	1	1
Total	**89**	**2 059**	**4 322**	**38**	**3**	**193**	**311**	**117**	**2 857**	**63**	**136**

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
		Number	1 000	$000 000					Number	$000 000	
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)											
N.S.	9	87	224	1	--	2	4	2	100	2	3
N.B.	13	146	301	2	--	6	11	5	179	3	5
Que.	268	2 608	5 413	45	3	96	189	92	2 899	53	91
Ont.	231	3 338	7 089	63	3	114	270	154	3 867	79	151
Man.	40	513	980	10	1	15	39	24	599	13	24
Alta.	54	324	676	6	--	12	24	12	391	8	12
B.C.	100	938	1 859	20	1	35	81	44	1 144	25	44
Others	32	119	230	3	--	3	6	2	126	2	4
Total	**747**	**8 073**	**16 772**	**150**	**8**	**283**	**624**	**335**	**9 305**	**185**	**334**
H. Wooden door and window industry (S.I.C. 2543)											
N.S.	10	160	348	3	--	9	16	6	233	4	6
N.B.	16	342	716	7	--	20	40	20	428	9	20
Que.	174	3 354	6 972	61	5	202	344	139	4 006	79	141
Ont.	82	3 124	6 875	61	4	195	371	177	3 636	81	180
Man.	11	645	1 364	12	1	36	72	36	769	15	35
Alta.	23	300	665	6	--	20	36	16	423	10	16
B.C.	54	843	1 824	21	2	75	125	50	1 033	27	51
Others	16	208	432	2	1	12	19	6	321	7	11
Total	**386**	**8 976**	**19 196**	**173**	**13**	**569**	**1 023**	**450**	**10 849**	**232**	**460**

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Manufacturing activity							Total activity		
		Production and related workers						Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
I. Other millwork industries (S.I.C. 2549)											
N.S.	7	109	245	2	--	4	8	4	119	2	5
N.B.	19	154	312	2	--	6	10	5	165	3	5
Que.	104	1 916	3 925	34	3	91	176	84	2 188	41	84
Ont.	114	2 901	6 503	57	4	132	255	122	3 157	66	125
Man.	10	245	500	4	--	11	21	10	309	6	10
Sask.	16	158	334	3	--	7	13	6	208	4	5
Alta.	41	467	945	10	1	24	47	22	576	13	24
Prairies	67	870	1 779	17	1	42	81	38	1 093	23	39
B.C.	59	804	1 692	20	2	56	96	39	906	24	39
Others	7	43	89	1	1	2	5	1	53	1	2
Total	**377**	**6 797**	**14 545**	**133**	**11**	**333**	**631**	**293**	**7 681**	**160**	**299**
J. Wooden box and pallet industry (S.I.C. 256)											
N.S.	8	76	146	1	--	2	4	2	81	1	2
Que.	63	800	1 640	13	1	32	56	23	903	16	25
Ont.	96	1 370	2 782	21	2	66	119	51	1 609	27	51
Man.	5	46	102	1	--	3	5	2	53	1	2
Alta.	11	152	307	3	--	5	11	6	165	3	6
Others	23	232	466	4	2	12	23	9	273	6	9
Total	**206**	**2 676**	**5 443**	**43**	**5**	**120**	**218**	**93**	**3 084**	**54**	**95**

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a] Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
K. Coffin and casket industry (S.I.C. 258)											
Que.	14	427	900	8	1	13	30	17	495	10	17
Others	13	195	416	4	--	6	13	7	222	5	7
Total	**27**	**622**	**1 316**	**12**	**1**	**19**	**43**	**24**	**717**	**15**	**24**
L. Other wood industries (S.I.C. 259)											
Que.	85	2 369	5 105	49	11	163	322	150	2 838	64	150
Ont.	128	2 635	5 807	58	15	204	359	144	2 983	69	145
Others	161	2 294	4 624	53	14	215	368	139	2 634	65	140
Total	**374**	**7 298**	**15 536**	**160**	**40**	**582**	**1 049**	**432**	**8 455**	**199**	**435**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-250.

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986

Activity/ province or territory	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
A. Pulp and paper industries (S.I.C. 271)											
N.S.	5	2 023	4 435	68	61	164	470	238	2 610	94	233
N.B.	12	4 667	9 730	170	157	517	1 120	433	6 007	226	427
Que.	55	23 238	49 315	813	571	2 104	5 240	2 547	31 232	1 130	2 547
Ont.	35	15 305	32 590	536	352	1 636	3 671	1 686	19 942	730	1 680
B.C.	25	11 776	24 422	480	381	1 545	3 692	1 724	15 466	657	1 694
Others	10	3 377	7 645	122	97	369	879	392	4 313	162	393
Total	**142**	**60 386**	**128 137**	**2 189**	**1 619**	**6 335**	**15 072**	**7 020**	**79 570**	**2 999**	**6 974**
B. Pulp industry (S.I.C. 2711)											
N.B.	6	2 361	5 043	89	60	291	597	233	3 135	124	225
Que.	7	1 760	4 017	68	41	286	574	234	2 242	91	225
Ont.	5	2 728	5 798	95	62	381	726	282	3 520	127	285
B.C.	16	5 940	12 611	236	167	856	1 877	805	7 515	312	785
Others	4	1 577	3 482	60	33	223	493	221	2 094	85	212
Total	**38**	**14 366**	**30 951**	**548**	**363**	**2 037**	**4 267**	**1 775**	**18 506**	**739**	**1 732**

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a] Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
C. Newsprint industry (S.I.C. 2712)											
Que.	21	14 258	30 069	511	394	1 120	3 173	1 655	18 819	699	1 674
Ont.	9	6 406	13 192	231	168	611	1 590	811	8 612	330	806
B.C.	4	4 183	8 395	180	163	484	1 348	705	5 706	253	695
Others	8	4 573	10 047	163	170	392	1 072	497	5 755	211	502
Total	**42**	**29 420**	**61 703**	**1 085**	**895**	**2 607**	**7 183**	**3 668**	**38 892**	**1 493**	**3 677**
D. Paperboard industry (S.I.C. 2713)											
Que.	10	2 448	4 953	87	66	252	597	271	3 346	119	274
Ont.	11	2 349	5 117	78	62	192	488	233	2 796	95	232
Others	7	1 456	3 101	54	69	150	385	167	1 856	70	167
Total	**28**	**6 253**	**13 171**	**219**	**197**	**594**	**1 470**	**671**	**7 998**	**284**	**673**
E. Asphalt roofing industry (S.I.C. 272)											
Que.	5	486	1 044	13	6	69	145	70	783	23	76
Ont.	7	524	1 111	13	6	109	202	85	665	17	88
Alta.	3	240	510	7	3	41	78	33	314	9	34
Others	4	83	173	2	--	14	25	10	142	5	10
Total	**19**	**1 333**	**2 838**	**35**	**15**	**233**	**450**	**198**	**1 904**	**54**	**208**

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
F. Paper box and bag industries (S.I.C. 273)											
Que.	64	4 573	9 067	116	12	437	698	249	5 956	159	248
Ont.	137	7 990	16 866	207	16	822	1 296	458	10 048	277	460
Others	52	2 433	5 027	68	5	308	502	188	3 210	97	189
Total	**253**	**14 996**	**30 960**	**391**	**33**	**1 567**	**2 496**	**895**	**19 214**	**533**	**897**
G. Folding carton and set-up box industry (S.I.C. 2731)											
Que.	33	1 711	3 419	43	3	126	224	94	2 110	55	94
Ont.	57	3 342	7 132	84	5	280	489	205	4 118	111	208
Others	16	434	812	10	--	42	71	29	531	14	29
Total	**106**	**5 487**	**11 363**	**137**	**8**	**448**	**784**	**328**	**6 759**	**180**	**331**
H. Corrugated box industry (S.I.C. 2732)											
Que.	22	2 109	4 109	55	7	235	356	114	2 904	80	113
Ont.	69	4 294	9 075	116	11	516	764	235	5 446	155	235
Alta.	8	315	676	9	1	41	64	23	406	13	22
B.C.	8	614	1 303	22	2	91	151	58	858	31	59
Others	11	567	1 222	15	1	81	127	43	756	21	43
Total	**118**	**7 899**	**16 385**	**217**	**22**	**964**	**1 462**	**473**	**10 370**	**300**	**472**

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
I. Paper bag industry (S.I.C. 2733)											
Que.	9	753	1 539	18	2	76	118	41	942	24	41
Ont.	11	354	659	7	--	26	43	18	484	11	17
B.C.	3	153	311	4	--	17	28	11	199	6	11
Others	6	350	703	8	1	36	61	24	460	12	25
Total	**29**	**1 610**	**3 212**	**37**	**3**	**155**	**250**	**94**	**2 085**	**53**	**94**
J. Other converted paper products industries (S.I.C. 279)											
Ont.	150	7 963	16 560	189	18	809	1 360	550	10 774	288	561
Others	134	4 202	8 645	88	12	413	687	272	5 601	129	279
Total	**284**	**12 165**	**25 205**	**277**	**30**	**1 222**	**2 048**	**822**	**16 375**	**417**	**840**
K. Stationary paper products industry (S.I.C. 2792)											
Que.	16	690	1 381	15	1	46	87	43	922	21	45
Ont.	38	1 977	4 274	42	2	138	256	121	2 718	66	130
Alta.	5	65	149	2	--	6	9	3	94	2	3
B.C.	7	143	297	4	--	13	24	12	222	6	12
Others	5	76	140	1	1	4	8	4	110	3	4
Total	**71**	**2 951**	**6 241**	**64**	**4**	**207**	**384**	**183**	**4 066**	**98**	**194**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-250.

IV - 13. LOGGING BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000					Number	$000 000	
1960	..	..	..	..	..	..	806	..	..	375	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547
1970	2 648	44 810	100 227	345	29	690	1 382	653	52 230	412	694
1971	2 436	40 119	88 723	344	30	687	1 383	658	47 284	413	698
1972	2 794	40 363	89 599	382	37	770	1 592	765	47 553	458	829
1973	3 128	49 573	105 182	513	50	1 127	2 104	1 001	57 586	606	1 109
1974	3 249	50 733	108 321	601	68	1 249	2 365	1 176	59 491	717	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 125
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	48 022	1 324	2 191
1985	3 739	40 733	78 567	1 100	219	3 059	5 462	2 167	45 962	1 294	2 187
1986	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 14. WOOD INDUSTRIES BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570	2 286	3 447
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051
1985	3 476	90 988	189 083	2 204	369	6 164	11 122	4 624	107 560	2 740	4 688
1986	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 15. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180	5 876
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341	5 940
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492
1985	688	86 477	182 423	2 699	1 831	8 712	18 075	7 555	114 187	3 745	7 524
1986	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 16. SAWMILL, PLANING MILL, AND SHINGLE MILL INDUSTRIES (S.I.C. 251) BY YEAR, 1965-1986

Year	Manufacturing activity								Total activity		
		Production and related workers							Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883
1982	1 338	46 295	89 306	1 [illegible]	190	2 672	4 501	1 535	55 119	1 319	1 540
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548	2 509
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468
1985	1 318	51 773	107 820	1 407	258	3 976	7 059	2 854	61 233	1 721	2 864
1986	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723	3 303

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 17. SHINGLE AND SHAKE INDUSTRY (S.I.C. 2511) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	64	1 422	2 793	8	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	44	90	47	1 813	27	47
1977	71	1 637	3 319	29	2	61	115	53	1 754	31	53
1978	84	2 029	4 272	37	2	87	154	68	2 159	41	68
1979	116	1 853	3 887	40	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	46	87	39	1 421	33	41
1983	98	1 417	2 714	34	3	64	114	46	1 539	39	46
1984	101	1 537	3 099	37	3	81	139	58	1 648	41	57
1985	107	2 157	4 213	52	4	115	196	77	2 272	56	77
1986	134	2 405	4 285	55	5	138	231	86	2 550	60	87

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 18. SAWMILL AND PLANING MILL PRODUCTS INDUSTRY (S.I.C. 2512) BY YEAR, 1960-1986

Year	Manufacturing activity								Total activity		
		Production and related workers							Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	3 719	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 268
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286	1 494
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509	2 463
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
1985	1 211	49 616	103 606	1 355	254	3 861	6 863	2 777	58 961	1 676	2 786
1986	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 19. VENEER AND PLYWOOD INDUSTRIES (S.I.C. 252) BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	76	9 856	..	35	3	76	138	61	..	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65	102
1970	90	10 973	21 616	68	5	152	262	104	12 259	80	106
1971	88	11 363	23 360	80	6	165	312	139	12 650	93	147
1972	84	12 213	24 788	92	7	202	393	182	13 664	108	187
1973	86	13 082	26 599	110	8	255	487	226	14 478	127	232
1974	82	11 863	23 562	112	9	262	463	198	13 291	133	206
1975	83	11 367	21 346	119	10	248	458	200	12 732	141	204
1976	81	11 635	23 179	147	13	311	584	266	13 003	171	270
1977	83	12 301	24 917	174	17	351	647	283	13 695	202	285
1978	86	12 555	25 319	192	20	423	844	402	14 067	222	406
1979	83	12 212	24 470	203	21	498	888	380	13 618	236	391
1980	84	10 990	22 453	206	23	483	840	333	12 363	243	345
1981	77	9 920	18 845	197	26	466	841	351	11 323	238	357
1982	82	9 084	15 772	185	27	360	645	248	10 344	225	254
1983	82	8 596	17 289	216	32	456	853	373	9 724	256	381
1984	81	8 037	15 632	200	31	453	795	317	9 174	241	323
1985	82	7 932	15 801	210	33	486	888	363	9 058	251	370
1986	78	7 679	14 476	185	30	455	916	434	8 780	225	439

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206 and 35-250.

IV - 20. SASH, DOOR, AND OTHER MILLWORK INDUSTRIES (S.I.C. 254) BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	1 397	13 267	..	40	4	134	227	88	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791
1984	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839
1985	1 512	21 469	45 157	390	33	1 066	2 045	951	25 884	514	995
1986	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205 and 35-250.

IV - 21. WOODEN BOX AND PALLET INDUSTRY (S.I.C. 256) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	65
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83
1985	193	2 493	4 966	40	5	110	198	86	2 853	49	86
1986	206	2 676	5 443	43	5	120	218	93	3 084	54	95

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 22. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	56	1 152	2 595	4	--	6	14	8	1 438	5	8
1970	45	1 006	2 194	5	--	7	17	10	1 260	7	10
1971	45	983	2 172	5	--	7	18	10	1 217	7	10
1972	43	973	2 113	5	--	8	18	10	1 202	7	10
1973	42	982	2 088	6	--	10	21	11	1 180	8	11
1974	43	1 000	2 051	6	--	13	25	13	1 230	9	13
1975	40	952	1 990	7	--	11	25	14	1 120	9	14
1976	38	837	1 803	7	--	10	23	12	965	8	13
1977	29	743	1 599	7	--	10	23	13	860	8	13
1978	31	721	1 507	7	--	13	27	15	846	9	15
1979	32	660	1 393	7	--	13	29	15	776	9	16
1980	38	707	1 488	9	1	15	32	16	828	11	17
1981	34	616	1 311	9	1	15	33	18	736	11	18
1982	33	643	1 340	10	1	17	36	19	741	12	19
1983	31	692	1 397	11	1	18	39	21	799	14	21
1984	31	623	1 201	10	1	18	39	20	722	12	20
1985	27	653	1 326	11	1	20	41	22	453	14	22
1986	27	622	1 316	12	1	19	43	24	717	15	24

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 23. OTHER WOOD INDUSTRIES (S.I.C. 259) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	277	4 762	10 276	17	2	45	86	40	5 796	23	41
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110
1977	186	5 049	10 536	57	11	142	282	114	5 918	72	126
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197
1981	302	5 972	12 354	107	26	307	563	240	7 059	133	244
1982	296	5 262	9 860	92	27	282	506	192	6 278	118	193
1983	311	5 328	10 529	105	32	360	615	223	6 287	132	226
1984	328	6 011	12 716	132	41	455	810	316	7 131	166	319
1985	344	6 668	14 013	146	40	507	890	349	7 779	180	352
1986	374	7 298	15 536	160	39	582	1 049	432	8 445	199	435

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 24. WOOD PRESERVATION INDUSTRY (S.I.C. 2591) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59
1981	43	1 295	2 656	26	4	106	173	65	1 572	32	67
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78
1985	51	1 070	2 197	27	6	150	214	63	1 348	36	65
1986	59	1 190	2 328	28	6	174	250	74	1 490	39	78

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 25. PARTICLEBOARD AND WAFERBOARD INDUSTRIES (S.I.C. 2592-2593) BY YEAR, 1970-1986

Year	Estab-lishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Particleboard and waferboard											
1970	9	674	1 512	4	1	8	18	9	783	5	9
1971	11	846	1 766	5	1	11	25	13	1 007	7	13
1972	11	952	2 091	7	2	17	37	18	1 136	9	18
1973	11	1 028	2 248	8	2	17	47	27	1 240	10	27
1974	11	1 077	2 298	10	3	21	52	29	1 269	12	29
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95
B. Particleboard (S.I.C. 2592)											
1982	17	928	1 914	20	10	64	122	48	1 138	26	47
1983	19	1 014	1 972	23	11	81	149	57	1 223	31	57
1984	19	1 201	2 592	30	13	90	197	94	1 525	42	93
1985	23	1 353	2 872	36	14	120	228	94	1 683	47	93
1986	25	1 541	3 539	42	14	154	296	128	1 911	55	126
C. Waferboard (S.I.C. 2593)											
1982	10	971	1 505	17	8	45	78	21	1 142	22	21
1983	11	1 003	2 032	25	11	76	130	43	1 199	31	43
1984	11	1 210	2 727	34	16	111	189	62	1 429	41	61
1985	11	1 269	2 705	36	15	116	232	101	1 530	45	102
1986	11	1 182	2 572	36	14	118	248	117	1 393	44	115

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 26. PULP AND PAPER INDUSTRIES (S.I.C. 271) BY YEAR, 1960-1986

Year	Manufacturing activity								Total activity		
		Production and related workers							Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	126	53 313	..	260	111	658	1 583	815	..	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809	1 380
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097	3 049
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541	3 070
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847	4 531
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442	4 515
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528	4 380
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
1985	137	58 830	126 105	2 047	1 751	5 867	13 407	5 773	77 562	2 811	5 720
1986	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204 and 36-250.

IV - 27. ASPHALT ROOFING INDUSTRY (S.I.C. 272) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	21	1 291	2 899	6	1	30	58	26	1 942	10	30
1970	14	618	1 436	4	1	22	39	17	1 141	9	19
1971	14	727	1 706	6	1	29	51	22	1 218	10	25
1972	14	815	1 919	7	1	34	63	28	1 277	12	31
1973	15	919	2 088	8	1	41	77	33	1 375	13	37
1974	15	916	2 109	9	2	54	102	49	1 403	15	52
1975	15	963	2 189	11	2	69	121	51	1 438	18	53
1976	15	1 034	2 177	13	3	87	148	60	1 549	21	63
1977	15	998	2 127	14	4	91	154	62	1 540	22	64
1978	17	1 043	2 169	15	4	111	179	64	1 467	23	67
1979	18	997	2 067	15	5	138	209	72	1 471	24	81
1980	17	891	1 874	15	5	160	244	78	1 393	26	92
1981	16	806	1 637	15	6	167	269	90	1 301	27	100
1982	16	768	1 562	15	7	162	271	102	1 269	26	107
1983	17	1 025	2 103	25	8	215	306	89	1 424	36	102
1984	17	1 168	2 366	27	12	216	354	131	1 537	38	133
1985	18	1 177	2 472	29	13	223	367	134	1 562	41	136
1986	19	1 333	2 838	35	15	233	450	198	1 904	54	208

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

IV - 28. PAPER BOX AND BAG INDUSTRIES (S.I.C. 273) BY YEAR, 1965-1986

Year	Manufacturing activity							Total activity		
		Production and related workers						Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819
1985	251	14 919	30 065	366	35	1 493	2 369	848	19 174	504	847
1986	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216 and 36-250.

IV - 29. OTHER CONVERTED PAPER PRODUCTS INDUSTRIES (S.I.C. 279) BY YEAR, 1965-1986

Year	Manufacturing activity							Total activity		
		Production and related workers						Total employees[a]		
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738
1985	282	11 551	23 781	257	32	1 128	1 931	799	15 889	389	821
1986	284	12 165	25 205	277	30	1 222	2 047	822	16 375	417	840

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

IV - 30. MANUFACTURING INDUSTRIES, 1986

Manufacturing industries[b]	S.I.C.[c]	Establishments	Manufacturing activity: Production and related workers: Number	Production and related workers: Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Total activity: Total employees[a]: Number	Total employees[a]: Salaries and wages	Total value added
				1 000			$000 000				$000 000	
A. Forestry												
Sawmills, planing mills	2512	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
Shingle and shake industry	2511	134	2 405	4 285	55	5	138	231	86	2 550	60	87
Pulp and paper mills	271	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974
Other wood industries	252-259	2 284	44 180	91 606	894	111	2 554	4 815	2 178	51 728	1 133	2 222
Other paper industries	272-279	556	28 494	59 002	704	80	3 022	4 995	1 915	37 493	1 004	1 943
Furniture and fixtures	261-269	1 822	48 393	106 137	889	50	1 934	4 012	2 064	55 514	1 106	2 078
Printing and publishing	281-284	5 654	77 725	153 508	1 970	85	3 849	10 371	6 461	123 210	3 325	6 645
B. Agriculture												
Food, feed, beverage, tobacco	101,103-122	3 203	133 190	272 875	3 206	644	24 581	38 526	13 338	204 634	5 478	14 690
C. Fishing												
Fish products	102	404	25 340	49 330	388	43	1 387	2 286	876	28 934	475	1 024
D. Mining												
Smelting and refining	291,295	92	55 426	116 525	1 979	910	6 054	12 498	5 370	75 519	2 848	5 374
Metal semi-fabricating products	292-294, 296-299, 351-359	1 964	64 734	137 775	1 776	667	5 298	11 243	5 282	81 482	2 386	5 422
Metal-fabricated products	301-309	5 659	121 520	255 762	2 810	234	7 655	15 024	7 205	147 883	3 665	7 391
E. Energy												
Petroleum and coal products	361-369	126	6 359	14 122	265	316	12 798	15 756	1 901	15 066	664	1 906
F. Other												
Machinery (except electrical)	311-319	1 964	57 510	125 393	1 400	92	4 080	8 099	4 024	78 203	2 067	4 249
Transportation equipment	321-329	1 556	165 383	381 071	4 936	359	30 140	44 400	13 861	214 283	6 749	14 438
Electrical products	331-339	1 454	88 899	186 208	2 130	136	7 216	14 304	6 986	135 230	3 694	7 873
Chemicals, chemical products	371-379	1 316	47 288	100 783	1 357	989	9 110	18 639	8 495	87 637	2 843	9 174
Textile and clothing	181-249	3 687	149 054	306 783	2 300	209	6 152	11 866	5 607	172 838	3 023	5 843
Miscellaneous products	151-169, 171, 391-399	5 203	126 974	263 833	2 489	247	7 066	13 887	6 551	160 254	3 567	7 001
G. Total	...	38 380	1 351 563	2 852 526	33 083	7 032	143 336	253 411	102 429	1 808 716	48 749	107 550

[a] Excluding working owners and partners.
[b] Excluding primary industries.

SECTION V

EMPLOYMENT

Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

Employment: Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

Employment: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

V - 1. EMPLOYMENT BY INDUSTRY SECTOR[a], 1970-1988

	Forestry related							Mining related				Agriculture related			Fishing					
			Wood industries		Paper and allied industries															
Year	Logging	Forestry services	Sawmills, planing, shingle mills	Total	Pulp and paper mills	Total	Printing, publishing, furniture, fixture	Crude ores concentrates	Smelting and refining	Metal semi fabricating	Metal fabricating	Agriculture	Agriculture services	Food, feed, beverage, tobacco[b]	Fishing, fishing services	Fish products	Energy	Construction	Other	Total
										1 000 persons										
1970	..	..	..	..	..	..	..	..	..	..	..	513	..	..	..	..	..	467	..	7 919
1971	..	..	..	..	..	..	..	..	..	..	..	514	..	..	..	..	..	489	..	8 104
1972	..	..	..	..	..	..	..	..	..	..	..	483	..	..	..	..	..	494	..	8 344
1973	65	13	74	123	89	..	180	87	89	100	161	469	13	237	21	23	142	539	..	8 761
1974	..	..	..	..	..	..	..	..	..	..	..	474	..	..	..	..	..	586	..	9 125
1975	50	10	54	93	91	130	171	109	86	90	161	483	14	223	21	21	153	603	6 866	9 284
1976	61	9	74	117	103	143	168	111	92	100	147	472	15	235	19	24	163	635	6 966	9 477
1977	58	12	69	118	92	128	180	108	87	97	148	464	15	235	19	26	168	634	7 154	9 651
1978	64	13	77	130	97	140	187	103	88	105	152	474	13	241	21	32	191	634	7 399	9 987
1979	65	12	84	140	99	141	188	106	92	97	165	484	14	235	28	37	198	644	7 749	10 395
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	232	32	37	217	624	8 024	10 708
1981	66	11	78	139	100	145	197	125	118	96	179	473	15	240	33	35	296	651	8 182	11 001
1982	51	11	58	107	92	136	204	96	97	85	147	450	15	230	31	33	274	595	8 056	10 618
1983	63	11	62	114	86	124	206	90	89	78	133	463	17	226	35	33	260	562	8 171	10 675
1984	62	13	64	115	90	125	209	96	89	83	137	459	21	217	32	32	218	564	8 460	10 932
1985	56	11	58	108	87	120	205	105	94	87	140	457	19	223	32	29	222	579	8 734	11 221
1986	56	11	62	122	78	111	222	98	90	81	152	444	23	216	36	34	214	618	9 003	11 531
1987	54	14	66	131	83	120	235	102	95	83	158	439	23	224	36	33	207	673	9 234	11 861
1988	60	11	64	136	98	132	231	102	110	82	157	423	21	225	40	36	219	726	9 533	12 244

[a]Unadjusted series.
[b]Excluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

V - 2. EMPLOYMENT BY PROVINCE[a], 1970-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						1 000 persons					
A. Employed labour force											
1970	129	35	256	192	2 128	3 037	371	333	633	805	7 919
1971	135	37	256	197	2 175	3 113	379	334	643	834	8 104
1972	140	36	261	205	2 205	3 239	386	336	671	865	8 344
1973	151	39	275	214	2 330	3 380	402	343	706	920	8 761
1974	149	41	292	221	2 401	3 523	419	350	754	976	9 125
1975	152	42	292	224	2 434	3 576	417	365	788	995	9 284
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	9 477
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	9 651
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	9 987
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	10 305
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	10 708
1981	179	47	322	253	2 723	4 171	461	425	1 151	1 270	11 001
1982	173	45	313	242	2 574	4 063	454	426	1 127	1 202	10 618
1983	172	48	319	245	2 616	4 089	459	434	1 102	1 190	10 675
1984	174	49	335	247	2 692	4 235	470	436	1 104	1 191	10 932
1985	174	50	333	255	2 768	4 377	475	446	1 124	1 220	11 221
1986	179	51	341	262	2 825	4 524	486	452	1 142	1 270	11 531
1987	183	52	350	272	2 918	4 689	492	453	1 146	1 306	11 861
1988	193	54	366	280	3 001	4 862	494	451	1 186	1 358	12 244
B. Unemployment rate											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	5.7
1971	8.4	x	7.0	6.1	7.3	5.4	5.7	3.5	5.7	7.2	6.2
1972	9.2	10.8	7.0	7.0	7.5	5.0	5.4	4.4	5.6	7.8	6.2
1973	10.0	x	6.6	7.7	6.8	4.3	4.6	3.5	5.3	6.7	5.5
1974	13.0	x	6.8	7.5	6.6	4.4	3.6	2.8	3.5	6.2	5.3
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	6.9
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	7.1
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	8.1
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	8.3
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	7.4
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	7.5
1981	13.9	11.2	10.1	11.5	10.3	6.6	5.9	4.6	3.8	6.7	7.5
1982	16.7	12.9	13.1	14.1	13.8	9.7	8.5	6.1	7.7	12.1	11.0
1983	18.7	12.2	13.2	14.8	13.9	10.3	9.4	7.3	10.6	13.8	11.8
1984	20.2	12.8	13.0	14.8	12.8	9.0	8.4	8.0	11.1	14.7	11.2
1985	20.8	13.3	13.6	15.1	11.8	8.0	8.2	8.1	10.0	14.1	10.5
1986	19.2	13.4	13.1	14.3	11.0	7.0	7.7	7.7	9.8	12.5	9.5
1987	17.9	13.2	12.3	13.1	10.3	6.1	7.4	7.4	9.6	11.9	8.8
1988	16.4	13.0	10.2	12.0	9.4	5.0	7.8	7.5	8.0	10.3	7.8

[a]Unadjusted series.

Source: Statistics Canada. Cat. No. 71-201, Labour Force Survey.

V - 3. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR[a], 1961-1986

Year	Logging	Wood industries						Paper and allied industries			Total forest industries
		Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries	Other wood industries	Total	Pulp and paper mills	Other paper industries	Total	
1961	..	46 688	..	..	..	35 397	82 085	63 789	34 503	98 292	..
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	69 897	40 283	110 180	262 469
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709	121 080	261 139
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312	119 709	258 839
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789	120 758	271 010
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053	123 138	292 324
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072	131 275	297 386
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	84 046	43 296	127 342	278 681
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212	130 207	286 263
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930	124 463	282 568
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182	126 783	299 540
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863	128 918	307 580
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438	130 310	301 987
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142	131 024	291 996
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565	117 669	254 875
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144	114 308	262 216
1984	48 022	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395	115 799	266 762
1985	45 962	58 961	2 272	9 058	25 884	11 385	107 560	77 562	36 625	114 187	267 709
1986	45 760	56 688	2 550	8 780	30 692	12 256	110 966	79 570	37 493	117 063	273 789

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

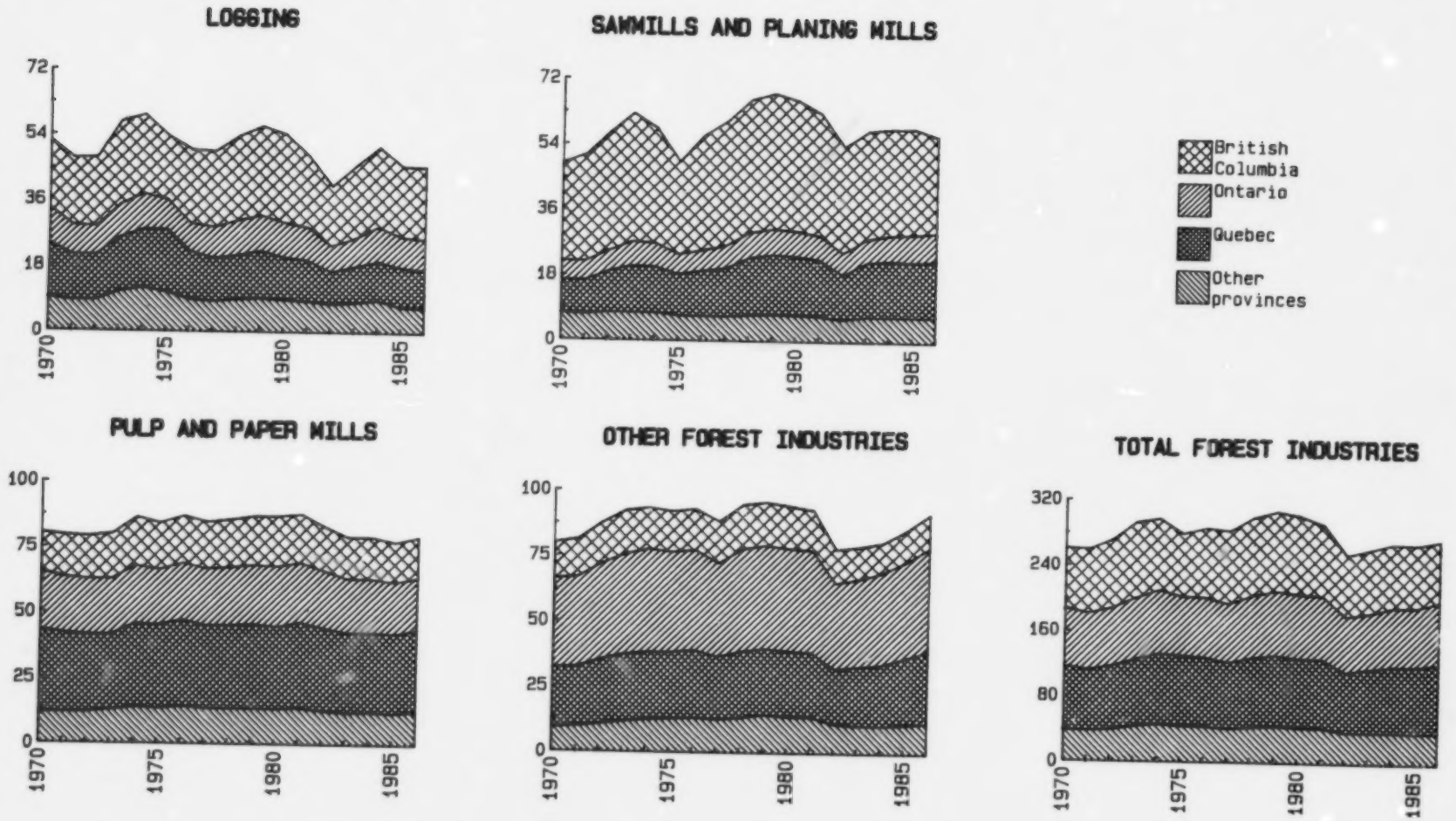

Figure 24. Employment in the forest industries by sector and region, 1970-1986

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE[a], 1970-1986

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Logging											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	47 284
1972	1 881	-	1 273	3 348	12 364	7 783	520	626	782	18 976	47 553
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	57 586
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	59 491
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 241	11	1 244	3 217	10 504	9 326	554	617	722	20 586	48 022
1985	1 205	x	1 472	2 831	10 802	8 482	423	532	714	19 488	45 962
1986	1 067	18	1 246	2 970	10 363	8 527	352	506	863	19 848	45 760
B. Wood industries											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	87 829
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 035	5 002	41 652	91 846
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 228	5 717	45 819	102 699
1973	505	72	1 982	3 967	25 592	20 662	1 943	1 236	6 065	49 547	111 600
1974	538	75	2 124	4 225	24 771	20 507	1 979	1 241	6 241	44 866	106 620
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 717
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941
1985	445	208	1 995	3 764	29 588	23 207	2 104	1 260	5 386	39 603	107 560
1986	399	207	2 053	4 205	31 891	25 852	2 223	1 264	5 668	37 204	110 966

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE[a], 1970-1986 (CONCLUDED)

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
C. Paper and allied industries											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	119 709
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	18 804	120 758
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	123 138
1974	x	-	3 319	5 925	45 367	47 404	x	x	2 155	20 768	131 275
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024
1982	x	-	x	5 484	41 457	41 597	2 041	x	2 210	18 458	117 669
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799
1985	x	-	3 102	5 609	41 231	40 990	1 526	x	2 264	16 850	114 187
1986	x	-	3 136	6 351	42 470	41 429	1 507	x	2 297	17 254	117 063
D. Forest industries											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	258 839
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	271 010
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 235	292 324
1974	x	x	7 118	14 891	86 253	77 584	x	x	9 852	87 350	297 386
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681
1976	x	87	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987
1981	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 240
1984	x	230	6 104	12 458	80 214	71 167	4 232	x	8 417	76 920	266 762
1985	x	x	6 569	12 204	81 621	72 679	4 053	x	8 364	75 941	267 709
1986	x	x	6 435	13 526	84 724	75 808	4 082	x	8 828	74 306	273 789

[a] Census of manufactures.
[b] Including Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

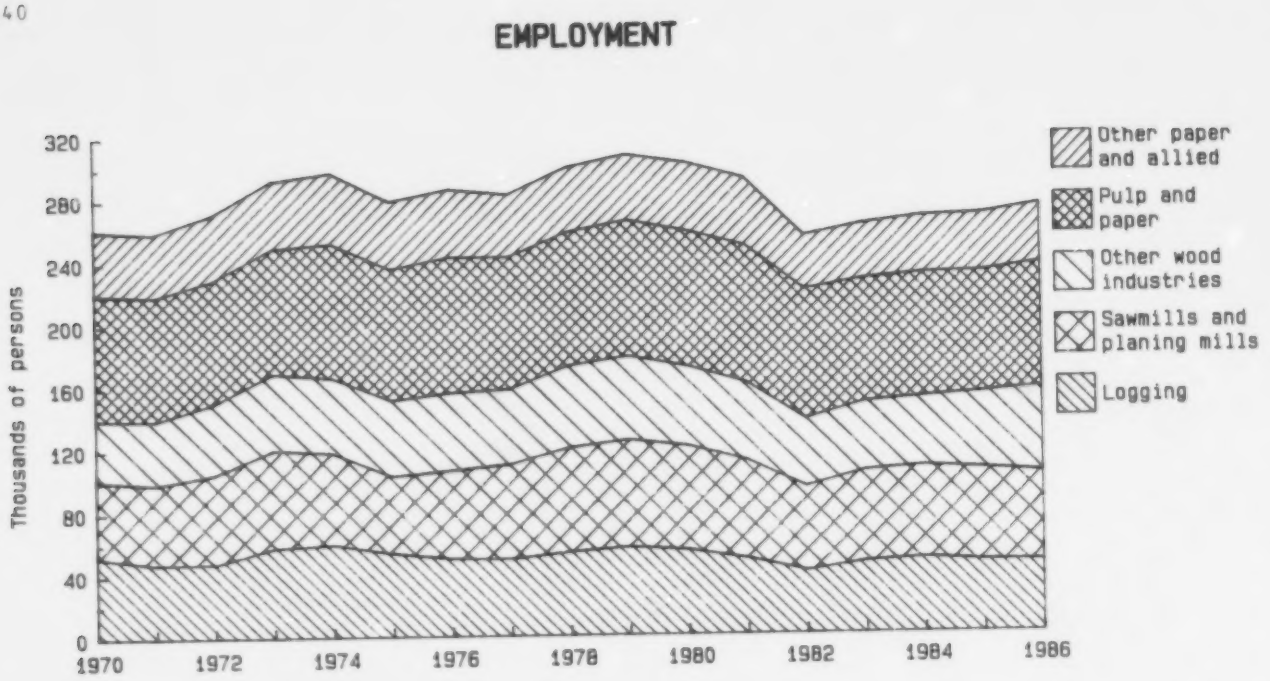

Figure 25. Employment in the forest industries by sector, 1970-1986.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

Figure 26. Employment by industry sector, 1975-1988.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

SECTION VI

SELLING PRICE INDEXES AND ANNUAL AVERAGE PRICES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1987. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

In 1988, the time series related to forest products have been modified to accomodate actual needs. The new time series are only available as of 1981.

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1988
(1981 = 100)

Year	Wood industries				Paper and allied industries		All manufacturing industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Total	Pulp and paper mills	Total	
1956	33.6	18.4	31.8	29.3	25.5	27.0	29.1
1960	31.9	16.8	27.9	28.5	26.0	27.6	30.2
1965	34.7	22.1	30.1	31.3	27.6	29.1	31.6
1970	37.7	27.2	33.8	36.5	30.5	32.6	36.0
1971	43.5	33.3	37.5	40.7	30.3	32.7	36.7
1972	55.1	46.5	45.0	49.8	30.5	33.0	38.3
1973	70.5	54.2	51.8	61.9	34.4	36.6	42.6
1974	64.1	47.1	57.9	60.8	46.7	49.6	50.7
1975	63.5	58.3	59.8	61.7	57.4	58.3	56.4
1976	71.3	74.5	63.6	68.4	58.2	59.7	59.3
1977	83.0	90.0	65.8	76.9	62.1	63.2	64.0
1978	100.9	104.0	82.8	91.8	65.7	66.7	69.9
1979	119.5	102.9	90.9	106.3	78.4	78.3	80.0
1980	105.8	99.9	89.3	99.7	91.1	90.6	90.7
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.5	95.9	93.2	99.6	101.3	103.3	106.7
1983	111.4	113.2	101.1	109.8	95.1	99.9	110.4
1984	106.3	119.0	97.4	107.6	108.4	111.2	115.4
1985	107.8	107.2	100.2	109.7	108.5	112.6	118.6
1986	117.6	112.8	115.5	118.9	113.9	117.3	119.6
1987	119.2	115.9	115.5	122.0	126.6	128.4	122.7
1988	122.1	133.3	113.7	124.6	140.2	140.8	128.0

Source: Statistics Canada Cat. No. 62-011.

VI - 2. SELLING PRICE INDEXES - LUMBER PRODUCTS, 1981-1988

	Softwood lumber		Softwood lumber by species			Softwood lumber market		Softwood lumber by region					
			Douglas-fir	Western red cedar	Spruce-pine-fir	Northern American	Overseas					B.C.	
Year	Domestic	Export	B.C. Coast	B.C.	Canada	B.C. Coast	B.C. Coast	Atlantic	Que.	Ont.	Prairies	Interior	Coast
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.6	96.6	92.9	105.3	94.4	102.9	97.8	94.2	96.1	95.3	93.4	95.3	100.5
1983	120.3	121.6	107.4	134.3	120.9	130.4	99.7	118.8	118.5	115.3	117.6	122.0	120.8
1984	116.2	111.1	101.9	130.1	110.7	121.4	97.8	120.1	113.4	113.4	109.1	110.0	113.4
1985	113.3	113.1	104.7	117.7	113.3	118.4	102.1	119.4	117.5	115.8	115.1	111.0	115.4
1986	123.5	127.3	101.5	130.0	128.7	129.1	118.0	131.4	126.9	123.0	125.4	127.4	127.3
1987	123.0	125.9	107.6	131.2	123.4	131.6	153.4	144.8	127.0	117.9	111.7	122.9	132.0
1988	126.9	127.2	117.6	139.6	117.3	137.1	186.7	133.2	120.5	107.6	107.7	123.7	143.2

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 3. SELLING PRICE INDEXES - WOOD PULP AND PAPER PRODUCTS, 1981-1988

		Wood pulp				Paper products						
		Sulphite bleached		Sulphate bleached		Newsprint		Other paper for printing	Fine papers n.e.s.	Wrapping paper	Paperboard	Building board
Year	Total	Domestic	Export	Domestic	Export	Domestic	Export					
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	94.0	92.3	92.4	95.1	93.6	109.3	104.7	105.7	105.8	105.7	105.6	106.2
1983	81.8	76.0	79.7	85.7	80.9	104.8	98.7	105.5	106.5	102.5	110.2	109.3
1984	101.7	91.6	97.1	104.4	102.3	115.1	109.6	113.9	114.8	107.4	120.4	112.3
1985	88.1	85.1	83.7	93.4	87.3	126.5	119.7	121.5	116.2	109.8	123.7	118.5
1986	97.7	91.3	95.6	100.8	98.2	128.8	123.0	122.4	119.6	115.7	125.4	118.0
1987	121.0	116.4	119.2	127.0	122.4	136.2	129.2	126.1	127.9	125.7	134.6	115.2
1988	141.1	132.3	138.3	149.2	143.0	152.1	137.5	138.8	139.4	136.5	144.1	115.2

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 4. SELLING PRICE INDEXES - OTHER FOREST PRODUCTS, 1981-1988

Year	Wood chips	Shingles	Shakes	Veneer			Plywood			
				Birch	Other hardwoods	Softwoods	Birch	Other hardwoods	Douglas-fir	Other softwoods
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	106.1	98.1	92.8	89.3	103.0	92.1	101.6	94.6	90.3	88.3
1983	85.4	110.6	118.8	98.7	109.3	100.5	105.3	101.5	94.6	107.5
1984	88.0	115.5	126.0	100.5	113.2	99.6	114.8	108.1	89.0	95.4
1985	87.3	103.9	112.7	85.1	113.6	107.1	113.6	107.6	92.6	103.1
1986	87.7	102.9	125.6	95.4	117.3	116.6	120.9	110.5	112.8	129.0
1987	97.5	109.0	124.7	106.6	121.4	120.1	120.9	118.1	107.9	126.1
1988	106.8	125.6	145.0	102.6	125.8	121.3	116.9	117.5	104.9	119.4

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 5. ANNUAL AVERAGE PRICE STATISTICS FOR SELECTED FOREST PRODUCTS, 1970-1988

Year	Lumber: Kiln dried, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Douglas-fir	Western spruce-pine-fir	Hemlock-fir B.-C. Coast	Hemlock-fir B.-C. Interior	Prices net: Delivered Great Lakes Eastern spruce-pine-fir	Kiln dried, Stud grade 2x4-8', Prices net: Delivered Northeastern U.S. Eastern spruce-pine-fir	Prices net f.o.b. mills: Western spruce-pine-fir	Green, Standard and better 2x4 Random 8/20', Prices net f.o.b. mills: Delivered Toronto Eastern spruce-pine-fir	British Columbia to U.S. Douglas-fir	Green, Stud 2x4-8', Prices net: Delivered Toronto Eastern spruce-pine-fir	Newsprint: Average price: Delivered to New York Canadian newsprint[a]	Wood pulp: Price paid by contract buyers: Delivered Northern U.S. Bleached softwood kraft
	Per thousand board feet											
	U.S. $							Can. $	U.S. $	Can. $	U.S. $ tonne	
1970	85	71	..	79	..	..	66	..	75	..	167.55	..
1971	109	98	..	109	..	..	97	..	97	..	174.17	..
1972	136	133	..	139	..	..	125	..	128	..	181.42	173
1973	176	158	..	173	..	..	133	..	160	..	192.90	220
1974	144	126	..	143	162	147	106	..	126	..	231.49	341
1975	148	123	..	139	164	161	118	..	131	..	286.60	410
1976	178	151	..	171	198	190	147	..	154	..	311.40	405
1977	213	173	..	200	217	213	181	185	187	189	333.45	366
1978	241	209	..	235	252	244	199	243	213	219	348.33	336
1979	260	225	..	254	278	229	177	295	234	222	385.80	428
1980	209	168	..	202	232	211	152	240	181	207	436.00	519
1981	190	156	..	189	227	216	149	240	166	230	482.50	536
1982	167	140	162	175	211	198	128	233	144	208	494.83	496
1983	222	185	213	218	262	255	187	279	188	270	479.33	431
1984	202	154	186	191	238	234	158	266	159	255	517.50	513
1985	205	153	188	191	235	228	153	280	175	268	535.00	427
1986	215	184	206	215	269	232	156	324	180	282	543.75	461
1987	227	200	221	232	293	241	161	333	190	278	590.00	578
1988	233	186	220	227	277	254	171	295	193	274	650.00	713

[a]For the years before 1975, the prices shown are for 32-pound newsprint; the prices shown in subsequent years are for 30-pound newsprint.

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- Capital and repair expenditures
- Contribution to Canadian Gross Domestic Product
- Corporate profits and profitability
- Economic indicators
- Income taxes

Gross Domestic Product

Since 1986, the gross domestic product (GDP) replaced the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border.

In table VII-6, VII-7, VII-8 and VII-9, you will notice that the national GDP is shown to be greater than the sum of the provincial GDPs. This is mainly because the domestic territory of the country is defined to include embassies and military bases on foreign soil. Thus there is Canadian domestic production that does not occur within the geographic boundaries of any province or territory.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986, and catalogue 13-213.

Source: Random Lengths Yearbook. Canadian Pulp and Paper Association, Reference Tables 1988. Resource Information Systems Inc., Pulp and Paper Review.

VII - 1. CORPORATE PROFITS AND PROFITABILITY[a] - FOREST INDUSTRIES, 1970-1986

Year	Wood industries			Paper and allied industries			Manufacturing industries		
	Before tax	After tax	Profitability	Before tax	After tax	Profitability	Before tax	After tax	Profitability
	$000 000		%	$000 000		%	$000 000		%
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5
1977	402	232	9.7	582	308	4.5	9 397	4 561	6.8
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7
1979	874	546	15.6	1 621	905	8.9	14 213	9 064	11.6
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 844	3.4
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7
1984	173	137	4.1	917	714	4.8	15 767	10 704	8.7
1985	413	318	7.3	778	446	3.2	14 371	9 172	6.9
1986	749	530	10.4	1 992	1 227	6.2	19 260	12 994	8.4

[a]Profitability as a measure of return on capital employed was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. CORPORATE INCOME TAXES PAID BY FOREST INDUSTRIES, 1970-1987

Year	Forestry			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
						$000 000						
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.8	50.0	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.5	665.0
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.3	5.8	16.1	27.4	12.0	39.4	73.1	41.1	114.2	110.8	58.9	169.7
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.7	8.7	24.4	37.5	21.1	58.6	87.0	72.2	159.2	140.2	102.0	242.2
1985	15.5	9.0	24.5	40.9	27.0	67.9	118.1	89.9	208.0	174.5	125.9	300.4
1986	16.4	11.2	27.6	69.5	46.3	115.8	135.5	119.5	255.0	221.4	177.0	398.4
1987p	19.0	12.8	31.8	115.4	69.2	184.5	270.0	179.8	449.9	404.4	261.8	666.2

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
						$000							
A. Forestry													
1970	x	-	155	348	866	832	x	x	x	18 603	-	x	21 454
1971	206	-	177	528	1 763	954	66	-	528	16 399	-	x	20 670
1972	132	-	303	712	x	2 577	23	x	415	23 963	x	-	29 690
1973	189	-	851	612	1 871	4 545	x	x	495	43 378	x	x	52 169
1974	271	-	1 679	741	2 234	4 172	x	x	x	32 290	-	x	42 160
1975	198	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	372	1 478	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	x	x	2 798	114 621	x	x	147 949
1981	481	-	2 713	2 197	11 658	8 525	x	908	x	54 577	x	197	84 185
1982	604	x	1 372	2 189	14 358	9 983	x	759	2 313	42 889	x	x	75 200
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	526	x	3 318	4 955	29 531	17 780	482	x	x	63 791	x	x	125 607
1985	703	x	2 993	5 532	36 585	17 139	489	x	3 927	63 151	x	x	132 406
1986	819	x	3 767	6 082	37 307	20 825	543	1 756	5 381	68 605	x	x	145 331
1987p	1 426	x	5 031	5 922	43 975	21 844	441	1 674	x	79 349	x	782	166 564
B. Wood industries													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1971	51	x	996	646	14 473	13 273	457	1 773	5 114	32 558	-	-	69 343
1972	73	x	1 775	1 081	32 502	22 433	627	4 851	15 921	82 103	x	-	162 635
1973	149	x	3 124	6 996	64 166	39 709	1 561	6 640	14 949	201 771	x	-	339 351
1974	x	31	4 219	6 879	40 992	37 986	1 455	2 210	8 552	80 340	x	-	182 922
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	x	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	128	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	490	697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	201	318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	50	207 635
1982	250	78	2 004	2 425	38 123	46 402	3 130	1 522	8 654	31 228	x	x	133 859
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	x	277	236 027
1984	400	x	4 951	10 597	108 098	67 429	6 872	5 621	8 722	57 861	x	x	270 794
1985	576	x	5 608	5 810	104 167	74 924	6 546	6 338	11 182	92 700	x	165	308 054
1986	411	x	7 624	14 615	128 725	86 142	7 237	4 479	15 375	195 267	x	106	460 086
1987p	530	122	7 458	19 523	151 913	111 404	13 257	5 688	22 639	330 125	x	x	662 807

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987 (CONCLUDED)

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
							$000						
C. Paper and allied industries													
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1971	63	x	2 961	1 175	27 767	40 439	3 142	411	6 581	41 345	-	x	124 160
1972	125	-	3 022	1 081	38 277	46 339	2 455	457	5 438	53 904	-	407	151 505
1973	404	244	5 684	11 515	78 749	112 882	5 083	865	15 904	127 537	-	1 662	360 529
1974	19 466	x	11 700	32 087	278 793	261 061	10 402	1 746	35 206	92 699	-	1 046	744 411
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	-	x	644 059
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	x	x	837 138
1982	2 351	-	29 912	4 868	139 913	108 618	6 685	x	33 316	10 054	x	x	336 566
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	347 003
1984	x	x	34 950	22 044	263 014	288 279	10 494	1 878	43 906	20 419	-	x	697 628
1985	22 743	x	15 285	15 134	349 805	390 959	x	2 620	33 231	22 387	-	x	868 384
1986	x	x	37 681	15 305	399 912	438 741	14 597	2 856	54 047	126 621	-	545	1 107 555
1987p	16 988	x	59 952	45 495	540 919	622 846	15 793	3 575	79 835	221 258	-	x	1 607 362
D. Forest industries													
1970	94	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1971	320	x	4 134	2 349	44 003	54 666	3 665	2 184	12 223	90 302	-	x	214 173
1972	330	x	3 159	2 874	70 779	71 349	3 105	5 308	21 854	159 970	x	407	343 830
1973	742	244	9 669	19 123	144 786	157 236	6 644	7 505	30 853	372 686	x	1 662	752 049
1974	19 737	31	17 593	39 707	322 019	303 219	11 857	3 956	43 758	205 329	x	1 046	969 493
1975	14 814	421	39 324	21 965	183 596	142 004	5 663	5 475	43 872	105 095	x	x	566 846
1976	580	x	32 332	6 006	147 572	108 291	5 096	7 533	53 611	301 926	x	x	663 996
1977	10 119	120	38 552	3 421	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	163	39 586	11 893	318 007	209 538	6 678	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	179	72 032	26 859	558 101	371 830	8 481	10 047	75 209	941 346	x	735	2 115 021
1980	56 038	116	104 172	46 269	561 209	478 460	12 251	37 854	72 408	469 830	x	201	1 844 861
1981	52 672	93	72 201	26 185	263 439	432 370	12 498	9 504	52 623	199 310	x	247	1 128 958
1982	3 205	78	33 288	9 482	192 394	165 003	9 815	2 281	44 283	84 171	118	x	545 625
1983	2 858	303	15 420	7 243	213 828	244 963	14 795	7 950	28 131	133 381	x	277	681 493
1984	926	x	43 219	37 596	400 643	373 488	17 848	7 499	52 628	142 071	x	x	1 094 029
1985	24 022	x	23 886	26 476	490 557	483 022	7 035	8 958	48 340	178 238	x	165	1 308 844
1986	1 230	x	46 072	36 002	565 944	545 708	22 377	9 091	74 803	390 493	x	651	1 712 972
1987p	18 944	122	72 441	70 940	736 807	756 094	29 491	10 937	102 474	630 732	x	782	2 436 733

[a]Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1989

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
			$000 000			
A. Logging industry						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1971	27.2	26.7	109.3	11.3	7.1	181.8
1972	28.9	31.5	134.2	13.3	8.6	216.0
1973	41.7	46.0	175.2	27.9	11.2	302.0
1974	71.3	58.6	215.2	30.2	16.1	391.4
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986	60.2	127.7	287.2	33.2	20.1	528.4
1987	63.2	111.6	324.0	38.6	25.7	563.1
1988p	79.9	130.2	324.2	44.3	29.9	608.5
1989 revised	95.7	138.8	338.5	42.3	32.6	647.9
B. Wood industries						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.1
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.1	723.9
1986	142.6	111.3	453.2	17.3	136.2	861.0
1987	157.9	195.1	738.9	32.8	115.3	1 240.4
1988p	226.6	322.9	858.2	33.6	126.2	1 568.2
1989 revised	171.5	234.9	838.7	28.4	119.4	1 393.3

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1989 (CONCLUDED)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
			$000 000			
C. Paper and allied industries						
1950	45.1	44.3	33.0	..[b]	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986	1 408.0	676.8	553.0	504.2	126.6	3 268.6
1987	1 599.7	778.7	993.9	482.9	293.7	4 148.9
1988p	1 514.5	1 048.8	1 288.1	733.8	739.1	5 324.3
1989 revised	2 215.0	1 290.8	2 000.1	907.9	941.7	7 355.5
D. Forest industries						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1971	176.8	212.2	529.6	212.7	75.8	1 207.3
1972	246.5	204.0	528.0	131.8	102.3	1 212.1
1973	375.6	271.3	565.1	105.5	113.9	1 431.6
1974	503.3	402.4	657.7	148.7	91.3	1 803.4
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	246.8	4 423.2
1986	1 610.8	915.8	1 293.4	554.7	282.9	4 658.0
1987	1 820.8	1 085.4	2 056.8	554.3	434.7	5 952.4
1988p	1 821.0	1 501.9	2 470.5	811.7	895.2	7 501.0
1989 revised	2 482.2	1 664.5	3 177.3	978.6	1 093.7	9 396.7

[a] Includes Northwest Territories and Yukon.
[b] Included in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202, 61-205 and 61-206.

VII - 5. GENERAL ECONOMIC INDICATORS BY QUARTER, 1982-1988

Year	Quarter	Gross domestic product[a] at 1981 prices percent change	Consumer price index (1981 = 100) percent change	Unemployment rate[a] (%)	Canadian dollar U.S. funds	Merchandise trade balance ($000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975 = 1000)
1982	1	-1.2	2.5	8.9	0.8273	+3 321	16.67	1 682.0
	2	-1.2	3.1	10.4	0.8037	+4 637	17.42	1 479.6
	3	-0.7	2.1	12.2	0.8002	+5 132	16.08	1 542.4
	4	-0.8	1.6	12.8	0.8121	+4 564	13.08	1 856.8
1983	1	1.7	0.6	12.5	0.8148	+4 321	11.67	2 092.6
	2	2.3	1.4	12.2	0.8123	+5 268	11.00	2 402.8
	3	1.6	1.6	11.6	0.8112	+3 953	11.00	2 486.8
	4	0.8	0.9	11.1	0.8075	+3 916	11.00	2 484.8
1984	1	1.6	1.3	11.4	0.7966	+3 918	11.17	2 423.6
	2	2.3	0.8	11.4	0.7737	+4 941	12.00	2 258.0
	3	1.1	0.9	11.3	0.7611	+5 412	13.17	2 307.2
	4	1.1	0.7	11.1	0.7585	+5 566	11.92	2 374.0
1985	1	1.1	1.2	11.1	0.7391	+5 093	11.42	2 600.9
	2	0.6	1.1	10.6	0.7303	+4 118	10.58	2 694.7
	3	1.0	0.9	10.2	0.7353	+3 210	10.33	2 743.6
	4	2.1	0.9	10.1	0.7250	+3 979	10.00	2 810.9
1986	1	0.3	1.2	9.7	0.7124	+2 193	12.00	2 915.4
	2	0.8	0.8	9.6	0.7225	+2 578	10.58	3 095.5
	3	0.1	1.2	9.7	0.7218	+2 [illegible]	9.75	2 980.9
	4	0.1	1.0	9.4	0.7221	+2 713	9.75	3 050.6
1987	1	1.6	0.9	9.6	0.7476	+3 171	9.08	3 529.1
	2	1.3	1.4	9.0	0.7503	+2 752	9.42	3 714.1
	3	1.5	1.2	8.7	0.7563	+2 988	9.83	3 975.4
	4	1.6	0.7	8.2	0.7630	+2 065	9.75	3 052.6
1988	1	0.8	0.9	7.8	0.7890	+2 072	9.75	3 191.9
	2	1.1	1.3	7.7	0.8132	+2 557	10.42	3 343.5
	3	0.8	1.1	7.8	0.8201	+3 099	11.25	3 315.4
	4	0.6	0.8	7.7	0.8290	+1 866	11.92	3 360.1

[a]Seasonally adjusted at annual rates.

Source: Statistics Canada Cat. No. 13-001, 13-004, 13-007, and 11-010.

VII - 6. GENERAL ECONOMIC INDICATORS, 1970-1988

Year	G.D.P.[a] at market price		G.D.P. in constant (1981 dollar)		Implicit price index		Consumer price index		Unemployment rate	Canadian dollar in U.S. funds	Merchandise trade balance	Prime rate	Conventional 5-yr mortgage rate
	Value ($000 000)	Percent change	Value ($000 000)	Percent change	(1981=100)	Percent change	(1981=100)	Percent change	%		$000 000	%	%
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	+ 2 951	8.17	10.45
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	+ 2 468	6.48	9.43
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	+ 1 951	6.00	9.21
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	+ 2 923	7.65	9.59
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	+ 1 835	10.75	11.24
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	- 345	9.42	11.43
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	+ 1 559	10.04	11.78
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	+ 2 972	8.50	10.36
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8770	+ 4 312	9.69	10.59
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8536	+ 4 424	12.90	11.17
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	+ 8 778	14.25	14.31
1981	355 994	14.9	355 994	3.7	100.0	10.9	100.0	12.5	7.5	0.8340	+ 7 292	19.29	18.15
1982	374 442	5.2	344 543	-3.2	108.7	8.7	110.8	10.8	11.0	0.8103	+17 654	15.81	17.89
1983	405 717	8.4	355 445	3.2	114.1	5.0	117.2	5.8	11.8	0.8114	+17 457	11.17	13.29
1984	444 735	9.6	377 855	6.3	117.7	3.1	122.3	4.4	11.2	0.7723	+19 837	12.06	13.61
1985	478 765	7.7	395 217	4.6	121.1	2.9	127.2	4.0	10.5	0.7325	+16 400	10.58	12.18
1986	506 483	5.8	407 736	3.2	124.2	2.6	132.4	4.1	9.5	0.7199	+ 9 810	10.52	11.22
1987	549 692	8.5	424 136	4.0	129.6	4.3	138.2	4.4	8.8	0.7541	+10 976	9.52	11.14
1988	598 732	8.9	443 375	4.5	135.0	4.2	143.8	4.1	7.8	0.8125	+ 9 594	10.83	11.60

[a]Gross domestic product. In 1987, GDP data were revised back to 1982.

Source: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. RELATION BETWEEN GROSS DOMESTIC PRODUCT (G.D.P.) AT MARKET PRICE AND GROSS DOMESTIC PRODUCT AT FACTOR COST, 1970-1988

Year	G.D.P. at market price	Deduct: indirect taxes less subsidies	Deduct: statistical discrepancy	Equals: G.D.P. at factor cost
	$000 000			
1970	89 116	11 095	684	77 337
1971	97 290	12 053	792	84 445
1972	108 629	13 627	147	94 855
1973	127 372	15 311	14	112 047
1974	152 111	17 867	-560	134 804
1975	171 540	17 087	90	154 363
1976	197 924	20 992	-141	177 073
1977	217 879	23 188	1 109	193 582
1978	241 604	24 819	-59	216 844
1979	276 096	26 635	-199	249 660
1980	309 891	27 272	45	282 574
1981	355 994	36 457	173	319 364
1982	374 442	38 908	350	335 184
1983	405 717	40 135	2 247	363 335
1984	444 735	42 714	863	401 158
1985	478 765	47 176	653	430 936
1986	506 483	53 825	132	452 526
1987	549 692	58 011	30	491 651
1988	598 732	65 075	-1 580	535 237

Source: Statistics Canada Cat. No. 11-010

VII - 8. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) AT FACTOR COST[a], 1970-1988
(1981 Prices)

Year	Total economy	Forestry services		Logging		Wood industries		Paper and allied industries		Total forest industries	
	$000 000	$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
1970	203 024.8	209.0	0.1	1 675.1	0.8	2 048.0	1.0	5 360.9	2.6	9 293.0	4.6
1971	214 902.9	241.5	0.1	1 643.8	0.8	2 097.8	1.0	5 286.9	2.5	9 270.0	4.3
1972	227 067.2	228.8	0.1	1 773.8	0.8	2 121.8	0.9	5 751.6	2.5	9 876.0	4.4
1973	244 958.8	202.3	0.1	1 984.4	0.8	2 336.9	1.0	6 218.0	2.5	10 741.6	4.4
1974	253 979.9	206.6	0.1	1 994.0	0.8	2 423.9	1.0	6 730.6	2.7	11 355.1	4.5
1975	257 532.0	227.9	0.1	1 608.5	0.6	2 153.3	0.8	4 790.5	1.9	8 760.2	3.4
1976	272 995.6	241.0	0.1	1 743.8	0.6	2 611.0	1.0	5 911.9	2.2	10 507.7	3.9
1977	281 762.1	249.0	0.1	1 875.4	0.7	2 897.5	1.0	5 840.3	2.1	10 862.2	3.9
1978	290 559.5	257.6	0.1	2 082.2	0.7	2 906.6	1.0	6 455.8	2.2	11 702.2	4.0
1979	301 852.5	264.5	0.1	2 061.5	0.7	2 915.8	1.0	6 373.9	2.1	11 615.7	3.9
1980	307 388.8	266.5	0.1	2 094.4	0.7	3 108.0	1.0	6 243.9	2.0	11 712.8	3.8
1981	319 538.1	262.7	0.1	2 045.0	0.6	2 986.2	0.9	5 996.8	1.9	11 290.7	3.5
1982	307 863.5	248.3	0.1	1 708.9	0.6	2 415.7	0.8	5 139.5	1.7	9 512.4	3.1
1983	317 858.7	257.8	0.1	2 254.4	0.7	2 986.0	0.9	5 753.3	1.8	11 251.5	3.5
1984	336 941.3	244.2	0.1	2 534.2	0.8	3 349.5	1.0	5 961.0	1.8	12 088.9	3.6
1985	353 253.8	260.3	0.1	2 506.8	0.7	3 794.6	1.1	5 850.7	1.7	12 412.4	3.5
1986	364 540.5	267.4	0.1	2 555.5	0.7	3 835.9	1.1	6 256.5	1.7	12 915.3	3.5
1987	379 243.8	272.4	0.1	2 840.1	0.7	4 390.7	1.2	6 540.5	1.7	14 043.7	3.7
1988	395 896.7	302.3	0.1	2 854.3	0.7	4 375.0	1.1	6 721.4	1.7	14 254.8	3.6

[a]GDP at factor cost in 1981 prices is a summation of all industries and there is no adjustments for the statistical discrepancy.

Source: Statistics Canada Cat. No. 15-001.

VII - 9. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1985 AND 1987

Province	Provincial G.D.P. at market prices	Indirect taxes	Subsidies	G.D.P. at factor cost[a]	Logging industry		Wood industries		Paper and allied industries		Forestry services		Total forest industries	
	$000 000 (current $)				$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
A. G.D.P. at factor cost and forestry contribution - 1985														
Nfld.	6 207	752	560	6 015	56.5	0.9	8.5	0.1	x	x	12.0	0.2	x	x
P.E.I.	1 329	148	5	1 186	3.3	0.3	6.0	0.5	-	-	1.5	0.1	10.8	0.9
N.S.	11 552	1 499	293	10 346	80.9	0.8	51.7	0.5	184.6	1.8	13.4	0.1	330.6	3.2
N.B.	8 988	1 127	155	8 016	190.2	2.4	97.4	1.2	250.5	3.1	25.4	0.3	563.5	7.1
Que.	108 562	14 994	722	94 290	593.5	0.6	930.6	1.0	2 344.8	2.5	65.7	0.1	3 934.6	4.2
Ont.	185 944	24 754	456	161 642	507.6	0.3	765.6	0.5	2 056.8	1.3	78.2	-	3 408.2	2.1
Man.	17 953	2 210	83	15 826	34.9	0.2	62.7	0.4	84.1	0.5	5.0	-	186.7	1.2
Sask.	17 288	1 952	212	15 548	32.0	0.2	44.2	0.3	x	x	6.2	-	x	x
Alta.	63 597	4 592	556	59 561	111.9	0.2	232.7	0.4	177.5	0.3	55.4	0.1	577.5	1.0
B.C.	54 445	6 732	95	47 808	992.4	[illegible]	1 749.1	3.7	1 119.0	2.3	74.1	0.2	3 934.6	8.2
Total	**477 881**	**58 834**	**3 832**	**422 879**	**2 604.0**	**0.6**	**3 948.6**	**0.9**	**6 348.7**	**1.5**	**336.9**	**0.1**	**13 238.2**	**3.1**
B. G.D.P. at factor cost - 1987														
Nfld.	7 138	886	130	6 382	..	..	..	..	..	..	..	..	..	..
P.E.I.	1 608	173	72	1 507	..	..	..	..	..	..	..	..	..	..
N.S.	13 374	1 737	264	11 901	..	..	..	..	..	..	..	..	..	..
N.B.	10 588	1 452	160	9 296	..	..	..	..	..	..	..	..	..	..
Que.	131 822	18 546	2 594	115 870	..	..	..	..	..	..	..	..	..	..
Ont.	224 674	30 507	2 346	196 513	..	..	..	..	..	..	..	..	..	..
Man.	20 049	2 617	1 087	18 519	..	..	..	..	..	..	..	..	..	..
Sask.	17 291	2 047	2 506	17 750	..	..	..	..	..	..	..	..	..	..
Alta.	58 982	4 781	2 518	51 683	..	..	..	..	..	..	..	..	..	..
B.C.	61 636	7 679	751	54 708	..	..	..	..	..	..	..	..	..	..
Total	**549 397**	**70 517**	**12 506**	**491 386**	..	..	..	..	..	..	..	..	..	..

[a] G.D.P. at factor cost = G.D.P. at market prices + subsidies - indirect taxes.

Note: 1986, 1987 data are not available and 1985 data were released in July 1989.

Source: Statistics Canada Cat. No. 13-213 and 15-203.

SECTION VIII

RELATED DATA

- Housing starts
- Transportation

VIII - 1. TRANSPORT STATISTICS BY FOREST PRODUCTS, 1986-1988

Forest products	Railways			Trucking				Marine traffic				Total
	Revenue freight loaded domestically onto railway cars in Canada			For hire				Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Total	
				Class 1-2	Class 3	Private	Total					
	1986	1987	1988					1986				
						1 000 t						
Primary wood products	12 007	12 031	11 767	15 061	7 388	2 534	24 983	13 058	4 145	892	18 095	55 085
Logs and bolts	1 417	1 414	1 338	6 411	..	511	..	8 708	2 413	606	11 727	
Pulpwood	1 813	1 543	1 279	890	..	1 216	..	4 349	1 731	285	6 365	
Wood chips	8 777	9 074	9 150	7 409	..	807	..	..	..	..	..	
Other primary products	..	..	..	351	..	..	..	1	1	1	3	
Wood-fabricated materials	9 768	10 772	10 172	8 549	1 028	3 857	13 434	489	5 642	115	6 246	29 448
Lumber	8 356	9 086	8 487	7 480	..	1 791	..	481	5 480	58	6 019	
Other wood products	1 412	1 686	1 685	1 069	..	2 066	..	8	162	57	227	
Wood pulp and paper products	12 934	13 518	14 060	4 687	217	667	5 571	925	7 771	255	8 951	27 456
Wood pulp	6 220	6 482	6 699	1 204	..	144	..	545	4 412	39	4 996	
Newsprint	5 183	5 535	5 452	2 524	..	375	..	362	2 831	10	3 203	
Paperboard, pulpboard, fiberboard	1 531	1 501	1 909	959	..	148	..	18	528	206	752	
Total forest products	34 709	36 321	35 999	28 297	8 633	7 058	43 988	14 472	17 558	1 262	33 292	111 989
Total products	237 455	249 320	258 344	154 714	32 482	71 415	258 611	60 506	144 561	62 012	267 079	762 702
%	14.6	14.6	13.9	18.3	26.6	9.9	17.0	23.9	12.1	2.0	12.5	14.7

Source: Statistics Canada Cat. No. 52-001, 53-222, 54-209 and 54-210.

VIII - 2. DWELLING UNITS[a] STARTED BY PROVINCE, 1950-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 858
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	125 860
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1986	2 883	1 110	7 571	4 045	15 609	60 348	81 470	7 699	5 510	8 462	21 671	20 687	199 785
1987	2 682	933	6 460	3 716	13 791	74 179	105 213	8 174	4 895	10 790	23 859	28 944	245 986
1988	3 168	1 151	5 478	3 621	13 418	58 062	99 924	5 455	3 856	11 360	20 671	30 487	222 562

[a]Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA,[a] 1961-1988

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repair	Total					
				$000 000				
1960	1 456	457	1 913	452	738	615	333	4 051
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 842
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 411
1985	21 170	2 975	24 145	3 470	8 697	3 119	2 028	41 459
1986	25 764	3 121	28 885	3 201	10 119	3 565	1 656	47 427
1987p	32 803	3 200	36 003	3 189	12 068	4 172	1 796	57 228
1988forecast	32 351	3 300	35 651	3 339	13 097	4 202	1 987	58 277

[a]Total value of construction work purchased by type of structure.

Source: Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

The world forestry figures were retrieved from the "1987 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization in collaboration with the Economic Commission for Europe compiled the results.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCKS BY REGION AND SPECIES GROUP

Continents and countries	Forest areas							Forest percent of land areas[a]	Merchantable volume		
	Closed forest		Other wooded land		Total				Growing stocks		
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Total		Softwoods	Hardwoods	Total
	1 000 ha							%	1 000 000 m^3		
Total North America	453 298[b]	..	296 022[b]	..	749 320[b]	..	749 320	37.9	31 334	15 420	46 754
Canada	243 698[b]	..	209 622[b]	..	453 320[b]	..	453 320	43.7	17 834	5 320	23 154
United States	209 600[b]	..	86 400[b]	..	296 000[b]	..	296 000	31.8	13 500	10 100	23 600
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	72 614	26.9	1 900	3 600	5 500
South America	19 474	647 498	1 000	247 047	20 474	894 545	915 019	51.4	900	90 600	91 500
Africa	7 776	228 088	6 115	501 734	13 891	729 822	743 713	24.5	200	24 800	25 000
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	158 902	30.5	8 000	4 000	12 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	928 600	41.5	65 300	20 600	85 900
Asia	86 552	275 270	15 688	90 722	102 238	365 992	468 230	18.5	6 000	32 000	38 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	298 947	27.9	700	5 300	6 000
World[b]	2 942 233[b]	..	1 393 114[b]	..	4 335 347[b]	..	4 335 347	32.3	114 334	196 320	310 654

[a] Including water.
[b] Hardwoods are included.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade, Information review, 1980, Department of the Environment, London.

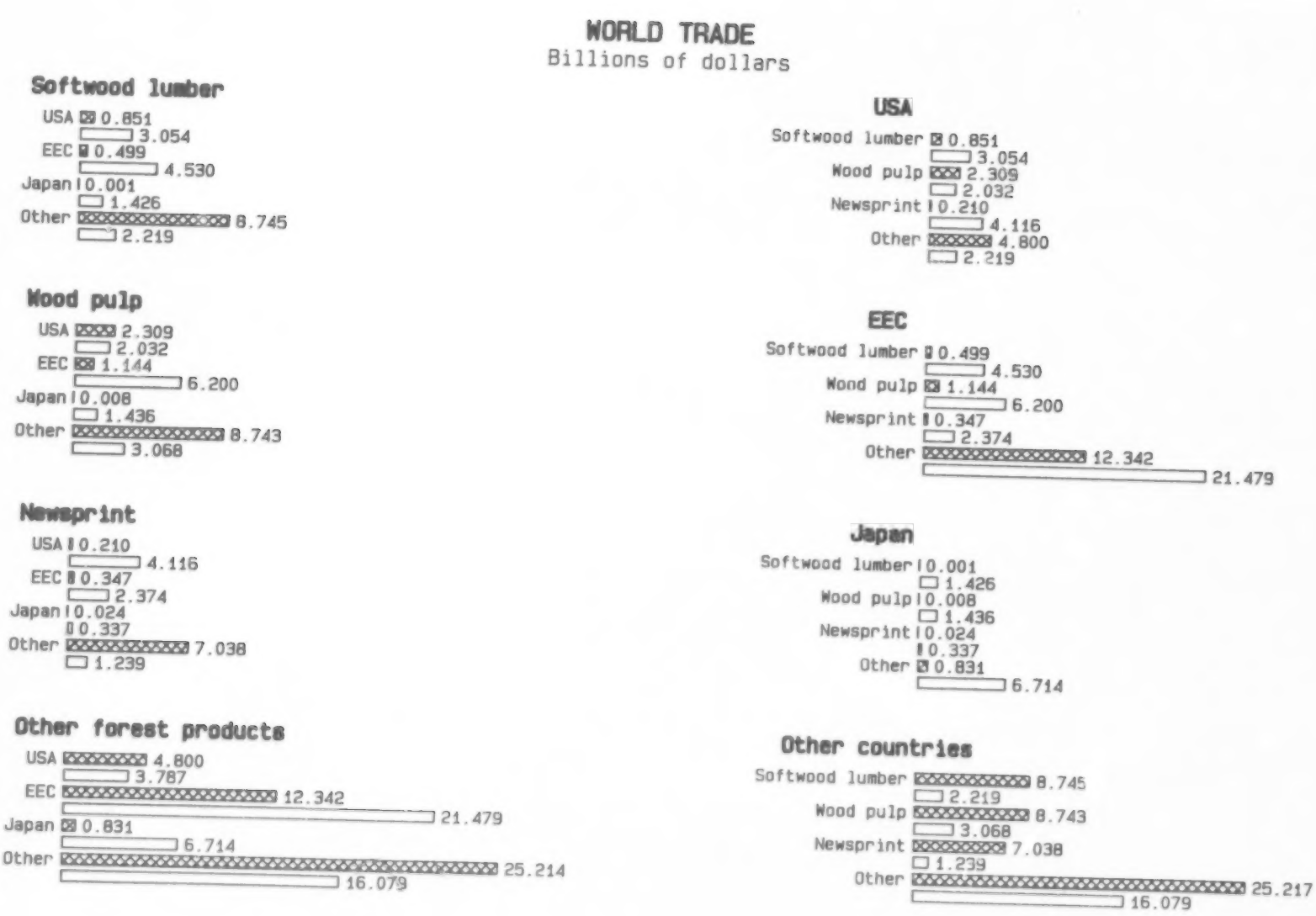

Figure 27. World trade of forest products by commodity group and principal trade area, 1987. Exports ▨ Imports □

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of forest products.

IX - 2A. WORLD PRODUCTION OF ROUNDWOOD, 1986

Trade area[a]	Industrial roundwood						Fuelwood and charcoal	Total roundwood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m^3							
Total North America	373 433	166 861	12 83x	553 133	453 241	99 892	108 522	661 655
Canada	128 573	40 601	1 370	170 544	160 703	9 841	6 600	177 144
United States	244 860	126 260	11 469	382 589	292 538	90 051	101 922	484 511
Central America	6 883	2 974	1 090	10 947	7 944	3 004	47 378	58 326
Mexico	3 947	2 864	237	7 048	6 329	719	14 180	21 228
South America	57 096	28 495	7 351	92 941	38 683	54 258	221 161	314 102
Brazil	39 983	20 900	5 245	66 128	27 266	38 862	171 646	237 774
Chile	5 751	3 922	553	10 226	9 142	1 084	6 171	16 397
Venezuela	600	-	26	626	-	626	684	1 310
Africa	21 567	7 012	24 497	53 078	8 325	44 751	396 287	449 363
Algeria	20	-	216	236	160	76	1 708	1 944
Morocco	131	326	257	714	148	566	1 292	2 006
Middle East - Africa	252	-	3 716	3 968	88	3 880	62 269	66 237
Europe	155 311	114 275	25 285	294 871	211 110	83 761	58 540	353 411
Western Europe	118 313	93 043	8 525	219 881	163 616	56 265	40 878	260 759
Economic Community	54 329	37 622	4 757	96 708	61 097	35 611	25 721	122 429
Belgium-Luxembourg	1 890	720	200	2 810	1 970	840	538	3 348
Denmark	941	500	356	1 797	1 312	485	406	2 203
France	19 260	9 599	580	29 439	16 105	13 334	10 430	39 869
Germany, Fed. Rep.	16 287	9 026	1 390	26 703	20 362	6 341	3 656	30 359
Greece	617	142	219	978	455	523	1 915	2 893
Ireland	659	513	27	1 199	1 188	13	46	1 245
Italy	3 203	965	476	4 644	1 411	3 233	4 979	9 623
Netherlands	490	402	128	1 020	689	331	116	1 136
Portugal	3 820	4 954	60	8 834	4 695	4 139	598	9 432
Spain	4 100	9 045	1 049	14 194	8 734	5 460	2 890	17 084
United Kingdom	3 062	1 756	272	5 090	4 178	912	147	5 237
Scandinavia	44 446	49 160	1 615	95 221	83 249	11 972	8 518	103 739
Finland	17 026	19 428	1 206	37 660	31 659	6 001	3 186	40 846
Norway	4 520	4 722	229	9 471	9 000	471	908	10 379
Sweden	22 900	25 010	180	48 090	42 590	5 500	4 424	52 514
Other Western Europe	19 538	6 261	2 153	27 952	19 270	8 682	6 639	34 591
Eastern Europe	36 998	21 232	16 760	74 990	47 494	27 496	17 662	92 652
USSR	161 800	40 200	88 800	290 800	258 100	32 700	86 800	377 600
Asia	168 630	21 906	60 852	251 388	94 014	157 374	750 291	1 001 679
China, People's Rep.	54 592	6 921	35 734	97 247	61 167	36 080	174 129	271 376
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 400	23 958	2 760	21 198	226 298	250 256
Japan	18 801	11 785	966	31 552	20 245	11 307	587	32 139
Korea, Rep. of (South)	1 066	330	849	2 245	1 662	583	4 395	6 640
Middle East - Asia	4 235	431	5 718	10 384	4 704	5 680	13 783	24 167
Southeast Asia	62 928	1 131	7 932	71 990	606	71 385	199 854	271 844
Oceania	15 894	11 795	1 763	29 452	15 221	14 231	8 804	38 256
Australia	8 144	7 859	1 116	17 119	6 146	10 973	2 880	19 999
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341
World	960 614	393 518	222 477	1 576 609	1 086 638	489 972	1 677 783	3 254 392

[a] See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 28. WORLD PRODUCTION OF ROUNDWOOD, 1987

Trade area[a]	Industrial roundwood						Fuelwood and charcoal	Total roundwood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m^3							
Total North America	409 153	173 411	12 919	595 483	494 191	101 292	120 023	715 506
Canada	142 573	40 601	1 450	184 624	174 783	9 841	6 600	191 224
United States	266 580	132 810	11 469	410 859	319 408	91 451	113 423	524 282
Central America	7 300	2 971	1 076	11 347	8 273	3 075	48 440	59 787
Mexico	4 324	2 864	237	7 425	6 654	771	14 522	21 947
South America	57 032	28 679	7 471	93 181	38 671	54 510	225 392	318 573
Brazil	39 983	20 900	5 355	66 238	27 278	38 960	175 240	241 478
Chile	5 568	4 106	553	10 227	9 118	1 109	6 261	16 488
Venezuela	600	-	26	626	-	626	702	1 328
Africa	21 360	7 046	25 015	53 421	8 412	45 009	407 748	461 169
Algeria	20	-	224	244	165	79	1 764	2 008
Morocco	131	326	263	720	149	571	1 310	2 030
Middle East - Africa	252	-	3 776	4 028	88	3 940	63 985	68 013
Europe	156 614	119 128	24 911	300 653	214 342	86 311	57 839	358 492
Western Europe	119 552	98 474	8 564	226 590	167 714	58 876	40 968	267 558
Economic Community	54 963	41 435	4 757	101 155	63 406	37 749	25 847	127 002
Belgium-Luxembourg	2 070	720	200	2 990	2 120	870	538	3 528
Denmark	941	500	356	1 797	1 312	485	406	2 203
France	20 292	9 599	580	30 471	16 574	13 897	10 430	40 901
Germany, Fed. Rep.	16 330	12 363	1 390	30 083	21 772	8 311	3 656	33 739
Greece	570	142	219	931	458	473	2 014	2 945
Ireland	659	513	27	1 199	1 186	13	46	1 245
Italy	2 606	1 534	476	4 616	1 309	3 307	4 506	9 122
Netherlands	510	402	128	1 040	689	351	116	1 156
Portugal	3 820	4 942	60	8 822	4 998	3 824	598	9 420
Spain	4 100	9 000	1 049	14 149	8 710	5 439	3 390	17 539
United Kingdom	3 065	1 720	272	5 057	4 278	779	147	5 204
Scandinavia	45 424	50 119	1 678	97 221	85 019	12 202	8 352	105 573
Finland	17 879	19 502	1 269	38 650	32 699	5 951	3 009	41 659
Norway	4 670	4 722	229	9 621	9 150	471	919	10 540
Sweden	22 875	25 895	180	48 950	43 170	5 780	4 424	53 374
Other Western Europe	19 165	6 920	2 129	28 214	19 289	8 925	6 769	34 983
Eastern Europe	37 062	20 654	16 347	74 063	46 628	27 435	16 871	90 934
USSR	162 900	40 470	88 800	292 170	259 320	32 850	86 800	378 970
Asia	172 009	21 866	63 149	257 025	95 507	161 517	764 312	1 021 337
China, People's Rep.	54 517	6 888	37 503	98 908	62 186	36 722	177 610	276 518
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 476	24 034	2 761	21 273	230 229	254 263
Japan	19 015	11 785	935	31 735	20 569	11 166	587	32 322
Korea, Rep. of (South)	1 066	326	1 062	2 454	1 844	610	4 395	6 849
Middle East - Asia	4 175	428	5 718	10 321	4 660	5 661	13 814	24 135
Southeast Asia	66 228	1 131	8 083	75 442	610	74 832	203 499	278 941
Oceania	16 252	11 795	1 763	29 810	15 238	14 572	8 804	38 614
Australia	8 163	7 859	1 116	17 138	6 154	10 984	2 880	20 018
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341
World	1 002 620	405 366	225 104	1 633 090	1 133 953	499 137	1 719 357	3 352 447

[a] See Section X.B for details on groupings of trade areas in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 3A. WORLD PRODUCTION OF LUMBER, 1986

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
Total North America	**136 114**	**17 308**	**153 422**	**210**	**153 632**
Canada	54 163	894	55 057	--	55 057
United States	81 951	16 414	98 365	210	98 575
Central America	**2 389**	**898**	**3 286**	**255**	**3 541**
Mexico	1 757	180	1 937	206	2 143
South America	**10 591**	**14 572**	**25 163**	**160**	**25 323**
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 034	250	2 284	3	2 287
Venezuela	-	336	336	--	336
Africa	**2 015**	**5 869**	**7 884**	**330**	**8 214**
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	**66 331**	**16 821**	**83 152**	**1 227**	**84 379**
Western Europe	51 214	10 757	61 971	650	62 621
Economic Community	21 056	7 759	28 815	499	29 314
Belgium-Luxembourg	575	235	810	15	825
Denmark	450	400	850	29	879
France	5 740	2 865	8 605	188	8 793
Germany, Fed. Rep.	8 104	1 608	9 712	98	9 810
Greece	290	164	454	--	454
Ireland	294	6	300	--	300
Italy	854	1 001	1 855	64	1 919
Netherlands	175	250	425	--	425
Portugal	1 164	275	1 439	60	1 499
Spain	1 960	600	2 560	43	2 603
United Kingdom	1 450	355	1 805	2	1 807
Scandinavia	20 680	303	20 983	61	21 044
Finland	7 035	75	7 110	33	7 143
Norway	2 250	8	2 258	2	2 260
Sweden	11 395	220	11 615	26	11 641
Other Western Europe	9 478	2 695	12 173	90	12 263
Eastern Europe	15 117	6 064	21 181	577	21 758
USSR	**88 500**	**12 500**	**101 000**	**--**	**101 000**
Asia	**51 855**	**47 040**	**98 895**	**737**	**99 632**
China, People's Rep.	17 117	9 208	26 325	66	26 391
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	25 246	3 792	29 038	67	29 105
Korea, Rep. of (South)	2 517	980	3 497	66	3 563
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	15 058	15 116	130	15 246
Oceania	**3 653**	**1 998**	**5 651**	**236**	**5 887**
Australia	1 226	1 772	2 998	222	3 220
New Zealand	2 369	29	2 398	14	2 412
World	**361 447**	**117 006**	**478 452**	**3 155**	**481 607**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 3B. WORLD PRODUCTION OF LUMBER, 1987

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
Total North America	149 331	18 580	167 911	210	168 121
Canada	61 011	950	61 961	--	61 961
United States	88 320	17 630	105 950	210	106 160
Central America	2 531	844	3 374	398	3 772
Mexico	1 892	169	2 061	349	2 410
South America	10 866	14 788	25 654	160	25 814
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 309	368	2 677	3	2 680
Venezuela	-	336	336	--	336
Africa	2 078	6 084	8 162	330	8 492
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	66 599	16 702	83 301	1 188	84 489
Western Europe	51 835	10 717	62 552	623	63 175
Economic Community	21 240	7 840	29 080	487	29 567
Belgium-Luxembourg	625	235	860	15	875
Denmark	450	400	850	29	879
France	5 933	2 912	8 845	188	9 033
Germany, Fed. Rep.	8 111	1 571	9 682	72	9 754
Greece	201	227	428	--	428
Ireland	294	6	300	--	300
Italy	729	1 098	1 827	78	1 905
Netherlands	157	220	377	--	377
Portugal	1 200	300	1 500	60	1 560
Spain	1 980	610	2 590	43	2 633
United Kingdom	1 560	261	1 821	2	1 823
Scandinavia	21 088	298	21 386	61	21 447
Finland	7 460	70	7 530	33	7 563
Norway	2 350	8	2 358	2	2 360
Sweden	11 278	220	11 498	26	11 524
Other Western Europe	9 507	2 579	12 086	75	12 161
Eastern Europe	14 764	5 985	20 749	565	21 314
USSR	89 400	12 600	102 000	--	102 000
Asia	53 127	50 158	103 285	719	104 004
China, People's Rep.	17 086	9 192	26 278	66	26 344
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	26 180	3 932	30 112	47	30 159
Korea, Rep. of (South)	2 886	1 193	4 079	66	4 145
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	17 839	17 897	132	18 029
Oceania	3 341	1 998	5 339	173	5 512
Australia	1 229	1 776	3 005	159	3 164
New Zealand	2 054	25	2 079	14	2 093
World	377 272	121 754	499 026	3 177	502 203

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 4A. WORLD PRODUCTION OF PANEL PRODUCTS, 1986

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
Total North America	**22 361**	**11 581**	**750**	**1 987**	**4 155**	**40 834**
Canada	1 877	2 487	750	137	675	5 926
United States	20 484	9 094	-	1 850	3 480	34 908
Central America	**335**	**513**	**9**	**127**	**-**	**984**
Mexico	272	403	2	79	-	756
South America	**1 170**	**1 352**	**369**	**685**	**242**	**3 818**
Brazil	902	660	234	550	200	2 546
Chile	25	149	13	41	-	228
Venezuela	40	98	-	-	18	156
Africa	**625**	**539**	**571**	**131**	**33**	**1 900**
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
Europe	**3 220**	**23 759**	**1 558**	**3 103**	**1 117**	**32 757**
Western Europe	2 473	19 053	1 244	1 747	648	25 165
Economic Community	1 612	14 707	908	1 044	249	18 520
Belgium-Luxembourg	58	1 950	42	-	19	2 069
Denmark	30	310	6	--	-	346
France	490	1 790	58	147	52	2 537
Germany, Fed. Rep.	342	5 850	391	199	50	6 832
Greece	95	280	20	18	-	413
Ireland	-	66	-	-	-	66
Italy	375	1 400	297	250	-	2 322
Netherlands	16	40	17	-	22	95
Portugal	20	671	10	70	1	772
Spain	170	1 370	45	280	80	1 945
United Kingdom	16	980	22	80	25	1 123
Scandinavia	681	1 841	40	405	352	3 319
Finland	597	581	27	76	61	1 342
Norway	12	451	-	63	155	681
Sweden	72	809	13	266	136	1 296
Other Western Europe	180	2 505	296	298	47	3 326
Eastern Europe	747	4 706	314	1 356	469	7 592
USSR	**2 300**	**7 200**	**445**	**1 907**	**1 683**	**13 535**
Asia	**17 566**	**2 116**	**1 042**	**1 746**	**413**	**22 882**
China, People's Rep.	1 511	253	7	1 064	-	2 835
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	6 824	900	300	400	400	8 824
Korea, Rep. of (South)	1 111	58	-	14	-	1 183
Middle East - Asia	196	757	22	96	10	1 081
Southeast Asia	7 475	53	708	116	-	8 352
Oceania	**171**	**868**	**48**	**224**	**48**	**1 359**
Australia	98	688	29	97	11	923
New Zealand	59	180	4	127	37	407
World	**47 749**	**47 927**	**4 792**	**9 910**	**7 691**	**118 069**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 4B. WORLD PRODUCTION OF PANEL PRODUCTS, 1987

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
Total North America	21 656	12 350	750	1 712	4 299	40 767
Canada	2 221	2 969	750	137	699	6 776
United States	19 435	9 381	-	1 575	3 600	33 991
Central America	352	535	9	139	-	1 036
Mexico	286	423	2	91	-	802
South America	1 187	1 375	376	689	242	3 868
Brazil	902	660	234	550	200	2 546
Chile	37	172	9	45	-	263
Venezuela	40	98	-	-	18	156
Africa	624	546	573	131	33	1 907
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
Europe	3 168	24 445	1 848	3 105	1 166	33 732
Western Europe	2 472	19 921	1 528	1 807	716	26 444
Economic Community	1 600	15 475	1 203	1 080	256	19 614
Belgium-Luxembourg	60	2 025	40	-	19	2 144
Denmark	30	310	11	--	-	351
France	490	1 838	58	169	61	2 616
Germany, Fed. Rep.	350	5 987	400	203	50	6 990
Greece	70	270	20	18	-	378
Ireland	-	66	-	-	-	66
Italy	390	1 700	580	250	-	2 920
Netherlands	15	40	17	-	22	94
Portugal	18	751	10	69	1	849
Spain	160	1 390	45	280	80	1 955
United Kingdom	17	1 098	22	91	23	1 251
Scandinavia	692	1 879	40	427	412	3 450
Finland	606	610	27	92	68	1 403
Norway	13	425	-	76	187	701
Sweden	73	844	13	259	157	1 346
Other Western Europe	180	2 567	285	300	48	3 380
Eastern Europe	696	4 524	320	1 298	450	7 288
USSR	2 300	7 600	445	1 907	1 683	13 935
Asia	19 522	2 233	1 085	1 980	463	25 282
China, People's Rep.	1 583	267	7	1 348	-	3 205
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	7 372	1 002	300	341	450	9 465
Korea, Rep. of (South)	1 179	58	-	21	-	1 258
Middle East - Asia	196	758	22	96	10	1 082
Southeast Asia	8 743	53	751	118	-	9 665
Oceania	180	887	48	287	66	1 468
Australia	104	712	29	97	11	953
New Zealand	62	175	4	190	55	486
World	48 989	49 970	5 134	9 950	7 952	121 995

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 5A. WORLD PRODUCTION OF WOOD PULP, 1986

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
Total North America	**53 906**	**4 071**	**14 099**	**1 363**	**73 439**
Canada	11 899	322	9 069	222	21 512
United States	42 007	3 749	5 030	1 141	51 927
Central America	**429**	**-**	**120**	**4**	**553**
Mexico	429	-	117	4	550
South America	**4 593**	**313**	**512**	**62**	**5 480**
Brazil	3 323	125	329	62	3 839
Chile	692	-	154	-	846
Venezuela	-	-	7	-	7
Africa	**651**	**168**	**276**	**581**	**1 676**
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
Europe	**20 943**	**1 657**	**10 502**	**1 012**	**34 144**
Western Europe	18 335	1 410	9 972	687	30 404
Economic Community	4 860	565	2 943	225	8 593
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	65	-	-	65
France	1 444	140	430	8	2 022
Germany, Fed. Rep.	600	79	1 403	137	2 219
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	55	70	436	30	591
Netherlands	-	-	133	-	133
Portugal	1 375	-	-	-	1 375
Spain	1 203	24	190	50	1 467
United Kingdom	-	187	212	-	399
Scandinavia	11 816	680	6 535	247	19 728
Finland	4 601	335	2 891	102	7 929
Norway	601	77	1 146	130	1 954
Sweden	6 614	268	2 498	15	9 395
Other Western Europe	1 659	165	494	215	2 533
Eastern Europe	2 608	247	530	325	3 710
USSR	**7 059**	**387**	**2 033**	**895**	**10 374**
Asia	**9 349**	**581**	**2 593**	**381**	**12 904**
China, People's Rep.	1 256	-	402	-	1 658
Hong Kong	-	-	-	-	-
India	490	77	150	200	917
Japan	6 963	453	1 662	172	9 250
Korea, Rep. of (South)	144	-	143	-	287
Middle East - Asia	211	3	152	9	375
Southeast Asia	199	48	52	-	299
Oceania	**838**	**240**	**942**	**-**	**2 020**
Australia	326	220	364	-	910
New Zealand	512	20	578	-	1 110
World	**97 768**	**7 417**	**31 076**	**4 298**	**140 559**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.3% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 5B. WORLD PRODUCTION OF WOOD PULP, 1987

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
Total North America	56 391	4 193	14 687	1 432	76 703
Canada	12 559	341	9 503	242	22 645
United States	43 832	3 852	5 184	1 190	54 058
Central America	446	-	110	4	559
Mexico	446	-	107	4	557
South America	4 652	311	514	75	5 552
Brazil	3 359	124	332	75	3 890
Chile	708	-	153	-	861
Venezuela	-	-	8	-	8
Africa	651	159	276	581	1 667
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
Europe	21 620	1 683	10 985	1 030	35 318
Western Europe	19 046	1 440	10 448	711	31 645
Economic Community	4 928	565	3 034	231	8 758
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	70	-	-	70
France	1 357	137	463	6	1 963
Germany, Fed. Rep.	606	79	1 433	142	2 260
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	95	68	449	30	642
Netherlands	-	-	133	-	133
Portugal	1 408	-	-	-	1 408
Spain	1 279	24	205	53	1 561
United Kingdom	-	187	212	-	399
Scandinavia	12 510	720	6 892	282	20 404
Finland	4 917	360	3 062	128	8 467
Norway	644	83	1 083	139	1 949
Sweden	6 949	277	2 747	15	9 988
Other Western Europe	1 608	155	522	198	2 483
Eastern Europe	2 574	243	537	319	3 673
USSR	7 059	387	2 033	895	10 374
Asia	9 886	564	2 631	434	13 515
China, People's Rep.	1 325	-	384	-	1 709
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 422	446	1 683	175	9 726
Korea, Rep. of (South)	149	-	168	-	317
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	-	270
Oceania	860	200	984	-	2 044
Australia	349	180	407	-	936
New Zealand	511	20	577	-	1 108
World	101 565	7 497	32 220	4 451	145 732

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.5% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 6A. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1986

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
Total North America	**14 397**	**20 027**	**37 471**	**5 055**	**2 753**	**79 703**
Canada	9 289	2 399	3 140	431	--	15 259
United States	5 108	17 628	34 331	4 624	2 753	64 444
Central America	**367**	**528**	**1 367**	**371**	**90**	**2 723**
Mexico	367	452	1 283	317	50	2 469
South America	**608**	**1 879**	**3 315**	**623**	**719**	**7 144**
Brazil	213	1 351	2 018	286	617	4 485
Chile	169	67	112	36	4	388
Venezuela	-	106	345	149	12	612
Africa	**487**	**499**	**1 228**	**109**	**126**	**2 449**
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	61	85	-	24	170
Europe	**7 255**	**18 809**	**22 982**	**3 069**	**5 412**	**57 527**
Western Europe	6 925	17 826	21 069	2 819	3 202	51 841
Economic Community	2 186	11 233	13 338	2 136	1 898	30 791
Belgium-Luxembourg	100	414	189	85	46	834
Denmark	-	133	113	12	35	293
France	303	2 133	2 750	233	164	5 583
Germany, Fed. Rep.	761	3 888	3 504	649	607	9 409
Greece	11	62	85	85	40	283
Ireland	-	-	40	-	--	40
Italy	212	1 975	1 879	241	324	4 631
Netherlands	185	600	1 094	157	5	2 041
Portugal	-	113	357	49	65	584
Spain	138	781	1 670	201	362	3 152
United Kingdom	476	1 134	1 657	424	250	3 941
Scandinavia	4 227	5 142	6 011	458	641	16 479
Finland	1 646	3 366	2 043	156	338	7 549
Norway	855	295	354	25	44	1 573
Sweden	1 726	1 481	3 614	277	259	7 357
Other Western Europe	512	1 451	1 720	225	663	4 571
Eastern Europe	330	983	1 913	250	2 210	5 686
USSR	**1 621**	**1 310**	**-**	**-**	**7 156**	**10 087**
Asia	**4 019**	**10 235**	**12 627**	**1 831**	**11 285**	**39 997**
China, People's Rep.	553	3 116	-	-	8 205	11 874
Hong Kong	-	-	38	2	--	40
India	250	850	406	12	282	1 800
Japan	2 641	4 949	9 871	1 613	1 988	21 062
Korea, Rep. of (South)	273	614	1 549	106	231	2 773
Middle East - Asia	151	191	259	31	121	753
Southeast Asia	95	384	396	67	367	1 309
Oceania	**575**	**301**	**656**	**172**	**563**	**2 267**
Australia	363	255	338	126	514	1 596
New Zealand	212	46	318	46	49	671
World	**29 330**	**53 588**	**79 645**	**11 230**	**28 104**	**201 897**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.7% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 6B. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1987

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
Total North America	14 973	21 256	39 322	5 257	2 781	83 589
Canada	9 673	2 660	3 275	449	--	16 057
United States	5 300	18 598	36 047	4 808	2 781	67 532
Central America	351	534	1 460	393	87	2 825
Mexico	351	467	1 367	339	49	2 573
South America	638	1 865	3 633	683	776	7 594
Brazil	232	1 307	2 169	307	663	4 678
Chile	180	64	143	48	7	442
Venezuela	-	117	388	157	12	674
Africa	484	513	1 250	109	132	2 488
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	7 654	19 864	23 912	3 205	5 783	60 418
Western Europe	7 306	18 848	21 970	2 953	3 578	54 653
Economic Community	2 329	11 718	13 811	2 258	2 224	32 340
Belgium-Luxembourg	112	414	189	85	46	846
Denmark	-	130	113	15	35	293
France	299	2 204	2 711	276	342	5 832
Germany, Fed. Rep.	826	4 099	3 613	731	669	9 938
Greece	8	62	85	85	40	280
Ireland	-	-	40	-	--	40
Italy	242	2 025	2 086	232	297	4 882
Netherlands	212	603	1 141	158	54	2 168
Portugal	-	168	388	45	26	627
Spain	135	826	1 712	196	382	3 251
United Kingdom	495	1 187	1 733	435	333	4 183
Scandinavia	4 448	5 494	6 343	466	661	17 412
Finland	1 628	3 689	2 177	162	355	8 011
Norway	845	298	374	27	46	1 590
Sweden	1 975	1 507	3 792	277	260	7 811
Other Western Europe	529	1 636	1 816	229	691	4 901
Eastern Europe	348	1 016	1 942	252	2 207	5 765
USSR	1 700	1 310	-	-	7 156	10 166
Asia	4 303	11 973	12 847	1 458	12 895	43 476
China, People's Rep.	633	3 406	-	-	8 957	12 996
Hong Kong	-	-	38	2	--	40
India	276	860	435	13	302	1 886
Japan	2 668	6 255	9 722	1 226	2 666	22 537
Korea, Rep. of (South)	302	689	1 780	121	271	3 163
Middle East - Asia	157	194	260	35	119	765
Southeast Asia	209	433	486	61	489	1 678
Oceania	568	390	620	168	536	2 282
Australia	361	346	322	125	484	1 638
New Zealand	207	44	298	43	52	644
World	30 672	57 705	83 043	11 273	30 144	212 837

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.5% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 7A. WORLD EXPORTS OF FOREST PRODUCTS, 1986

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S.$000 000				
Total North America	1 688	4 145	4 571	658	4 582	4 273	6 928	18 426
Canada	268	3 505	3 584	328	2 932	4 079	5 029	12 140
United States	1 420	640	987	330	1 650	195	1 899	6 286
Central America	1	32	34	16	-	-	22	74
Mexico	--	1	1	10	-	-	3	14
South America	52	86	276	176	641	59	434	1 478
Brazil	1	23	120	146	323	6	347	936
Chile	46	64	70	9	192	52	60	377
Venezuela	-	-	-	-	-	-	-	-
Africa	437	12	170	105	229	93	194	1 136
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	1 242	3 227	3 964	2 327	3 169	1 943	16 246	26 949
Western Europe	1 025	2 934	3 588	2 229	3 098	1 918	15 847	25 784
Economic Community	710	402	884	1 412	821	242	7 041	10 868
Belgium-Luxembourg	77	24	74	304	67	17	305	826
Denmark	29	13	32	39	16	1	113	229
France	282	21	189	171	155	9	1 095	1 893
Germany, Fed. Rep.	222	165	280	470	74	122	2 541	3 587
Greece	--	--	1	17	-	--	14	31
Ireland	5	8	12	3	-	--	9	30
Italy	2	16	33	170	25	7	687	918
Netherlands	24	21	113	55	2	49	1 106	1 299
Portugal	24	117	122	69	341	-	116	674
Spain	22	14	16	71	140	2	257	506
United Kingdom	21	4	12	43	2	35	799	877
Scandinavia	189	2 036	2 046	483	2 055	1 658	7 435	12 209
Finland	111	727	730	342	617	652	3 692	5 491
Norway	26	40	40	23	227	295	603	921
Sweden	52	1 269	1 275	118	1 211	711	3 140	5 797
Other Western Europe	126	496	656	334	221	18	1 370	2 707
Eastern Europe	217	293	378	98	72	25	399	1 164
USSR	838	1 001	1 027	199	474	151	430	2 967
Asia	1 317	78	1 514	1 931	41	41	1 472	6 275
China, People's Rep.	7	16	38	244	23	-	217	529
Hong Kong	--	-	17	3	-	-	57	78
India	1	-	1	32	-	-	1	36
Japan	8	1	19	67	15	19	854	963
Korea, Rep. of (South)	-	27	29	51	-	13	147	226
Middle East - Asia	8	11	13	17	-	-	38	75
Southeast Asia	1 177	24	1 350	1 517	3	1	150	4 197
Oceania	295	60	73	26	114	53	133	642
Australia	161	--	9	3	-	1	33	207
New Zealand	39	57	58	19	114	52	100	331
World	5 870	8 642	11 630	5 438	9 151	6 614	25 859	57 947

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 21.0% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 7B. WORLD EXPORTS OF FOREST PRODUCTS, 1987

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S.$000 000				
Total North America	2 193	5 195	5 798	805	6 437	4 757	8 033	23 265
Canada	342	4 344	4 449	363	4 128	4 547	5 814	15 095
United States	1 851	851	1 349	442	2 309	210	2 219	8 170
Central America	1	32	34	14	-	-	21	71
Mexico	--	1	1	10	-	-	3	14
South America	90	135	425	210	586	71	413	1 724
Brazil	1	28	189	163	298	8	313	963
Chile	82	107	114	11	263	61	74	543
Venezuela	-	-	-	-	-	-	-	-
Africa	416	12	212	115	232	55	161	1 136
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	1 504	3 580	4 533	2 947	4 287	2 474	21 584	34 856
Western Europe	1 281	3 254	4 092	2 799	4 214	2 443	21 138	33 524
Economic Community	854	499	1 078	1 771	1 144	347	9 488	14 332
Belgium-Luxembourg	100	34	93	391	101	25	633	1 318
Denmark	33	15	37	51	16	1	135	271
France	324	28	237	258	227	16	1 716	2 762
Germany, Fed. Rep.	260	208	341	575	9	174	3 181	4 455
Greece	1	-	1	17	-	2	18	37
Ireland	5	8	12	3	-	--	9	30
Italy	2	18	37	205	22	15	833	1 098
Netherlands	33	28	145	69	1	63	1 432	1 680
Portugal	35	138	142	92	540	-	132	940
Spain	33	17	19	60	140	2	257	509
United Kingdom	27	5	13	52	1	48	1 140	1 233
Scandinavia	241	2 147	2 159	603	2 802	2 075	9 687	15 493
Finland	127	936	941	438	879	745	4 689	7 074
Norway	39	46	47	28	304	357	714	1 131
Sweden	76	1 164	1 171	137	1 619	973	4 284	7 288
Other Western Europe	186	608	855	424	268	21	1 965	3 698
Eastern Europe	223	326	441	148	73	31	447	1 332
USSR	858	978	1 004	225	468	154	453	3 007
Asia	1 843	108	1 912	2 768	44	54	1 633	8 200
China, People's Rep.	5	30	56	283	33	1	272	648
Hong Kong	--	-	17	3	-	-	57	78
India	1	-	1	13	-	-	1	16
Japan	4	1	14	48	8	24	791	864
Korea, Rep. of (South)	-	46	48	56	-	20	261	365
Middle East - Asia	6	10	11	16	-	-	38	71
Southeast Asia	1 711	22	1 719	2 348	3	1	204	5 985
Oceania	428	57	65	45	150	54	163	851
Australia	244	--	5	5	-	1	55	309
New Zealand	51	54	55	37	150	53	108	400
World	7 332	10 096	13 982	7 129	12 204	7 619	32 462	73 109

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.6% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 8A. WORLD IMPORTS OF FOREST PRODUCTS, 1986

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S.$000 000				
Total North America	225	2 943	3 277	987	1 671	3 682	6 092	12 252
Canada	166	103	280	135	90	-	471	1 141
United States	60	2 841	2 997	852	1 581	3 682	5 621	11 111
Central America	15	208	257	71	150	73	605	1 097
Mexico	3	40	46	9	127	13	135	319
South America	10	30	74	24	168	278	648	924
Brazil	7	-	17	79	18	92	178	228
Chile	-	-	-	-	-	-	34	34
Venezuela	2	3	8	12	75	79	124	221
Africa	118	655	796	252	79	80	902	2 148
Algeria	31	102	106	48	32	6	72	289
Morocco	24	42	56	6	9	5	39	134
Middle East - Africa	43	458	488	154	4	21	256	946
Europe	2 452	4 388	6 121	3 187	5 340	2 030	14 940	32 039
Western Europe	2 347	3 988	5 708	3 073	5 058	1 967	14 535	30 179
Economic Community	1 453	3 583	5 152	2 624	4 531	1 922	13 008	26 767
Belgium-Luxembourg	129	131	206	159	203	81	807	1 503
Denmark	30	285	324	179	49	104	604	1 187
France	229	288	444	258	774	197	1 945	3 650
Germany, Fed. Rep.	292	611	888	597	1 404	502	3 232	6 414
Greece	56	76	91	16	72	29	144	379
Ireland	2	37	53	34	7	26	172	268
Italy	432	580	891	195	793	147	1 007	3 318
Netherlands	61	333	598	369	273	174	1 409	2 711
Portugal	79	1	7	3	18	21	89	196
Spain	107	107	219	23	189	66	396	934
United Kingdom	35	1 133	1 431	791	749	574	3 202	6 208
Scandinavia	583	166	236	213	144	--	566	1 741
Finland	161	--	13	14	34	-	104	326
Norway	106	153	174	80	45	-	194	599
Sweden	317	13	48	119	66	--	267	817
Other Western Europe	311	239	321	236	381	45	961	2 210
Eastern Europe	105	400	412	114	284	63	405	1 320
USSR	25	15	66	44	119	3	435	688
Asia	5 369	1 146	1 927	885	1 948	796	4 008	14 137
China, People's Rep.	879	2	207	152	299	70	1 120	2 657
Hong Kong	51	1	30	122	4	57	496	702
India	30	--	1	1	39	89	154	225
Japan	3 705	872	1 118	181	1 057	296	672	6 733
Korea, Rep. of (South)	495	2	58	-	266	-	111	928
Middle East - Asia	125	267	369	302	80	95	575	1 451
Southeast Asia	68	1	140	90	181	158	711	1 190
Oceania	2	179	245	58	74	128	581	959
Australia	--	160	219	42	69	102	465	795
New Zealand	1	9	15	4	5	21	97	122
World	8 215	9 564	12 763	5 507	9 548	7 069	28 211	64 245

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.8% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 8B. WORLD IMPORTS OF FOREST PRODUCTS, 1987

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S.$000 000				
Total North America	239	3 160	3 653	1 256	2 138	4 116	7 016	14 302
Canada	155	105	344	157	108	-	550	1 313
United States	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
Central America	17	187	232	85	155	71	609	1 097
Mexico	3	40	46	9	127	13	135	319
South America	7	30	70	23	189	260	670	959
Brazil	5	-	13	7	18	78	190	233
Chile	-	-	-	-	-	-	46	46
Venezuela	2	3	8	12	100	79	124	246
Africa	130	576	718	250	79	100	908	2 084
Algeria	25	86	90	48	32	6	72	267
Morrocco	24	42	56	6	9	5	39	134
Middle East - Africa	61	400	432	154	4	39	274	924
Europe	2 914	5 399	7 824	4 022	7 246	2 497	19 108	41 114
Western Europe	2 809	5 037	7 450	3 891	6 890	2 432	18 655	39 695
Economic Community	1 626	4 530	6 741	3 309	6 200	2 374	16 707	34 583
Belgium-Luxembourg	159	190	407	195	289	104	1 189	2 239
Denmark	25	303	337	225	63	139	716	1 367
France	234	364	584	367	1 015	132	2 787	4 987
Germany, Fed. Rep.	343	752	1 120	797	1 855	620	3 986	8 102
Greece	49	102	117	27	80	43	190	452
Ireland	2	37	53	34	7	26	172	268
Italy	501	742	1 228	265	1 118	187	1 406	4 518
Netherlands	71	401	737	431	351	226	1 730	3 321
Portugal	84	1	10	5	21	31	103	223
Spain	111	126	248	47	189	66	396	991
United Kingdom	47	1 512	1 899	916	1 211	800	4 031	8 105
Scandinavia	811	217	303	284	176	-	712	2 286
Finland	206	1	18	21	51	-	142	439
Norway	150	201	224	98	48	-	241	761
Sweden	455	15	60	165	77	-	329	1 086
Other Western Europe	371	290	406	298	514	58	1 237	2 826
Eastern Europe	105	362	375	131	356	65	452	1 419
USSR	26	15	53	38	145	6	397	659
Asia	7 236	1 701	2 953	1 493	2 654	885	4 459	18 795
China, People's Rep.	1 011	5	321	239	441	85	1 295	3 307
Hong Kong	60	1	41	191	4	59	498	794
India	67	--	1	1	39	94	158	267
Japan	5 218	1 426	1 888	598	1 436	337	772	9 913
Korea, Rep. of (South)	640	3	91	-	403	-	177	1 311
Middle East - Asia	150	264	366	293	81	105	607	1 497
Southeast Asia	74	1	236	135	229	174	768	1 441
Oceania	3	162	237	58	130	131	651	1 079
Australia	--	142	206	41	120	95	492	859
New Zealand	3	10	19	6	10	32	140	178
World	10 572	11 229	15 739	7 226	12 736	8 066	33 816	80 090

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.6% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 9A. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1986

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
Total North America	**644 287**	**127 535**	**145 015**	**42 153**	**66 178**	**13 241**	**76 210**
Canada	177 344	17 130	18 421	4 799	14 157	698	5 125
United States	466 943	110 405	126 594	37 354	52 020	12 543	71 086
Central America	**58 403**	**3 414**	**4 816**	**1 203**	**955**	**511**	**3 566**
Mexico	21 241	2 035	2 447	785	897	393	2 595
South America	**312 651**	**9 991**	**24 500**	**3 292**	**4 399**	**1 033**	**7 243**
Brazil	237 829	8 304	18 032	2 125	3 001	420	4 074
Chile	14 911	1 201	1 431	173	281	38	270
Venezuela	1 322	31	389	176	227	150	808
Africa	**446 184**	**5 042**	**11 061**	**2 103**	**1 323**	**356**	**3 151**
Algeria	2 196	608	627	143	70	16	207
Morocco	2 216	415	524	123	44	7	179
Middle East - Africa	66 426	1 918	2 140	358	10	27	483
Europe	**368 587**	**72 794**	**93 980**	**36 627**	**38 624**	**7 005**	**54 947**
Western Europe	278 889	56 919	71 781	28 815	34 333	6 514	49 047
Economic Community	124 880	40 762	52 846	23 840	16 830	5 396	41 336
Belgium-Luxembourg	5 686	1 310	1 965	1 115	615	222	1 591
Denmark	1 632	2 025	2 509	904	120	204	937
France	35 746	7 309	10 102	3 218	3 438	641	6 916
Germany, Fed. Rep.	29 365	10 897	12 999	7 670	5 160	1 453	11 289
Greece	3 192	667	883	484	195	69	478
Ireland	931	471	524	192	11	53	283
Italy	14 746	4 410	6 542	2 749	2 369	469	5 400
Netherlands	1 367	2 320	3 304	1 298	760	426	2 531
Portugal	9 269	48	358	280	525	43	464
Spain	17 783	2 414	3 634	1 736	1 494	277	3 371
United Kingdom	5 162	8 892	10 026	4 195	2 144	1 540	8 079
Scandinavia	114 699	8 954	9 430	2 467	14 610	563	4 219
Finland	44 581	2 498	2 618	585	6 535	176	1 360
Norway	11 867	2 711	2 754	745	1 484	149	583
Sweden	58 252	3 746	4 061	1 137	6 591	239	2 276
Other Western Europe	39 310	7 204	9 505	2 508	2 893	554	3 492
Eastern Europe	89 699	15 875	22 200	7 812	4 291	492	5 900
USSR	**359 344**	**80 669**	**93 184**	**12 589**	**9 453**	**1 270**	**9 513**
Asia	**1 046 070**	**57 699**	**101 985**	**18 705**	**17 733**	**5 435**	**43 908**
China, People's Rep.	284 259	17 113	27 130	2 913	2 461	743	12 842
Hong Kong	818	9	337	315	9	137	786
India	250 587	2 376	17 462	414	984	417	2 029
Japan	74 633	29 864	34 610	9 629	11 761	3 009	21 107
Korea, Rep. of (South)	14 084	2 365	3 686	1 012	1 016	239	2 606
Middle East - Asia	24 986	4 874	7 127	1 946	563	338	1 556
Southeast Asia	251 804	-45	9 180	2 203	768	439	2 307
Oceania	**28 902**	**4 353**	**6 814**	**1 390**	**1 753**	**736**	**2 766**
Australia	13 412	2 231	4 442	1 024	1 133	616	2 220
New Zealand	8 347	2 007	2 064	330	621	116	523
World	**3 264 429**	**361 495**	**481 355**	**118 062**	**140 418**	**29 587**	**201 304**

[a] See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 9B. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1987

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
Total North America	**694 803**	**136 572**	**155 247**	**42 508**	**68 670**	**14 036**	**80 199**
Canada	189 887	20 370	21 793	5 700	14 602	901	5 425
United States	504 916	116 201	133 455	36 808	54 068	13 135	74 774
Central America	**59 869**	**3 429**	**4 919**	**1 284**	**971**	**490**	**3 662**
Mexico	21 960	2 170	2 714	831	904	377	2 699
South America	**315 982**	**9 985**	**24 512**	**3 263**	**4 635**	**1 022**	**7 774**
Brazil	241 527	8 317	17 845	2 071	3 118	401	4 336
Chile	13 869	1 182	1 529	206	335	53	344
Venezuela	1 340	31	389	176	303	150	870
Africa	**458 076**	**4 723**	**10 885**	**2 106**	**1 304**	**482**	**3 302**
Algeria	2 220	508	527	143	70	16	207
Morocco	2 240	415	524	123	44	7	179
Middle East - Africa	68 243	1 672	1 888	357	10	49	521
Europe	**377 125**	**73 730**	**95 239**	**37 763**	**40 407**	**7 244**	**57 268**
Western Europe	288 464	58 444	73 872	30 332	36 058	6 755	51 303
Economic Community	129 653	42 340	55 231	25 068	17 705	5 627	43 779
Belgium-Luxembourg	5 953	1 560	2 305	1 069	637	240	1 684
Denmark	1 534	1 847	2 211	804	131	230	955
France	37 244	7 644	10 570	3 142	3 391	473	7 456
Germany, Fed. Rep.	32 927	10 886	13 040	7 859	5 309	1 528	11 688
Greece	3 187	674	947	494	185	85	498
Ireland	931	471	524	192	11	53	283
Italy	14 332	4 583	7 099	3 409	2 652	517	5 887
Netherlands	1 350	2 268	3 283	1 310	751	467	2 576
Portugal	9 149	231	595	309	432	54	545
Spain	18 027	2 510	3 792	1 911	1 588	274	3 470
United Kingdom	5 019	9 667	10 865	4 570	2 618	1 705	8 737
Scandinavia	119 046	9 069	9 559	2 736	15 444	557	3 831
Finland	45 968	2 588	2 705	654	6 960	191	1 247
Norway	12 346	2 592	2 643	761	1 422	119	616
Sweden	60 732	3 889	4 211	1 322	7 063	247	1 967
Other Western Europe	39 765	7 035	9 082	2 527	2 909	572	3 694
Eastern Europe	88 661	15 287	21 367	7 431	4 350	489	5 965
USSR	**359 487**	**81 756**	**94 335**	**12 828**	**9 511**	**1 348**	**9 469**
Asia	**1 065 776**	**60 265**	**107 728**	**21 796**	**18 788**	**5 804**	**47 594**
China, People's Rep.	289 388	17 091	27 452	3 468	2 744	850	14 136
Hong Kong	916	9	396	483	9	141	790
India	255 055	2 378	17 466	427	1 067	451	2 123
Japan	78 848	32 178	37 543	11 775	12 420	3 052	22 724
Korea, Rep. of (South)	13 344	2 630	4 294	1 082	1 104	263	2 921
Middle East - Asia	25 142	4 850	7 104	1 927	563	360	1 596
Southeast Asia	255 132	-12	11 018	2 363	709	572	2 605
Oceania	**28 376**	**3 910**	**6 328**	**1 414**	**1 839**	**746**	**2 792**
Australia	12 628	2 060	4 222	1 035	1 197	597	2 203
New Zealand	8 214	1 734	1 795	343	642	147	566
World	**3 359 494**	**374 370**	**499 191**	**122 962**	**146 126**	**31 172**	**212 060**

[a] See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 10. APPARENT CONSUMPTION OF FOREST PRODUCTS BY MAJOR COMMODITY GROUP AND SELECTED COUNTRIES, 1961-1987

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3					1 000 t	
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 634	14 224	3 945	12 661	959	4 655
1982	128 768	8 980	10 248	3 132	11 031	1 039	4 096
1983	155 292	7 966	9 296	4 373	12 551	1 011	4 437
1984	163 903	12 079	13 775	4 132	13 606	1 065	4 858
1985	170 103	15 442	16 936	4 536	13 446	718	4 831
1986	177 344	17 130	18 421	4 799	14 157	698	5 125
1987	189 887	20 370	21 793	5 700	14 602	901	5 425
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 110	101 196	27 401	46 448	10 673	60 577
1981	404 209	76 826	92 755	28 385	47 564	10 837	61 307
1982	379 778	76 199	87 341	25 401	45 022	10 219	58 584
1983	420 764	91 587	104 726	31 435	48 091	10 697	63 094
1984	435 232	100 448	114 837	33 127	51 226	11 912	68 575
1985	429 702	102 556	116 876	34 916	49 629	12 324	67 835
1986	466 943	110 405	126 594	37 354	52 020	12 543	71 088
1987	504 916	116 201	133 455	36 803	54 068	13 135	74 774
C. World							
1961	2 053 569	262 913	344 211	26 335	61 607	14 477	77 465
1965	2 226 025	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 460 085	311 627	413 503	69 839	101 646	21 408	125 897
1975	2 578 062	303 848	404 326	84 381	101 742	20 874	130 404
1980	2 932 023	330 938	448 366	100 450	125 230	25 686	168 794
1981	2 939 431	313 227	428 032	100 253	124 470	26 492	169 571
1982	2 930 489	309 468	420 993	96 258	119 233	25 628	167 198
1983	3 045 382	324 398	438 051	104 916	127 648	26 146	175 877
1984	3 135 991	340 856	457 598	108 039	135 398	28 117	189 192
1985	3 165 675	346 259	464 579	111 486	135 403	28 643	191 581
1986	3 264 429	361 495	481 355	118 062	140 418	29 587	201 304
1987	3 359 494	374 370	499 191	122 962	146 126	31 172	212 060

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 11. PRODUCTION OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND SELECTED COUNTRIES, 1961-1987

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			News- print	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 719	39 675	4 711	19 275	8 946	13 835
1982	129 673	36 078	37 168	4 134	17 007	8 117	12 408
1983	156 965	41 157	42 070	5 324	19 221	8 486	13 353
1984	165 622	48 582	49 869	5 474	20 451	9 014	14 222
1985	170 239	53 443	54 586	6 058	20 250	8 991	14 448
1986	177 144	54 163	55 057	5 928	21 512	9 289	15 259
1987	191 224	61 011	61 961	6 776	22 645	9 673	16 057
B. United States							
1961	289 770	61 088	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 868
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 588	84 112	26 224	46 187	4 238	56 839
1981	419 016	59 969	76 310	27 300	47 200	4 753	57 667
1982	396 896	58 830	70 307	24 204	44 786	4 574	54 899
1983	437 762	68 208	81 290	29 518	47 660	4 687	58 804
1984	452 215	73 508	88 375	30 904	50 398	5 029	62 366
1985	448 488	72 367	86 800	32 197	49 061	4 923	60 959
1986	484 511	81 951	98 575	34 908	51 927	5 108	64 444
1987	524 282	88 320	106 160	33 991	54 058	5 300	67 532
C. World							
1961	2 050 551	263 251	344 219	26 281	61 531	14 362	77 493
1965	2 220 785	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 460 878	312 099	414 553	69 560	101 936	21 492	126 481
1975	2 580 070	304 703	405 060	84 436	102 103	20 442	130 472
1980	2 928 000	333 565	450 850	101 116	125 810	25 415	170 234
1981	2 932 493	315 548	430 004	100 375	125 158	26 510	170 911
1982	2 926 877	311 465	422 836	96 235	119 554	24 966	167 252
1983	3 037 942	327 270	441 452	105 454	128 194	26 003	177 161
1984	3 128 026	343 111	460 233	108 446	135 599	27 795	189 926
1985	3 158 278	347 182	465 114	111 805	135 529	28 261	192 578
1986	3 254 392	361 447	481 607	118 069	140 559	29 330	201 897
1987	3 352 447	377 272	502 203	121 995	145 732	30 672	212 837

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 12. EXPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND SELECTED COUNTRIES, 1961-1987

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	3 781	11 832	12 168	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 405	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 750	38 664	39 004	1 819	7 024	8 275	10 157
1986	5 068	37 826	38 192	1 587	7 622	8 591	10 763
1987	6 181	41 381	41 862	1 585	8 241	8 772	11 338
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 798	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 935	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
1986	20 410	4 406	5 662	1 361	4 013	356	3 913
1987	22 566	5 781	7 571	1 708	4 397	308	4 112
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 398	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 943	43 250	52 410	12 436	15 078	9 369	23 074
1980	116 957	65 938	79 625	16 323	21 188	12 321	35 041
1981	100 190	60 646	72 534	16 759	20 197	12 922	35 364
1982	98 980	61 439	73 094	15 443	18 533	11 508	33 667
1983	100 957	70 576	83 780	17 389	21 080	12 143	36 812
1984	103 249	72 755	86 112	18 223	21 529	13 127	39 902
1985	106 264	73 473	85 981	19 101	21 774	13 806	40 906
1986	106 846	73 653	87 122	20 539	23 287	14 162	43 554
1987	117 433	78 782	94 919	23 025	24 520	14 537	47 027

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 13. EXPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND SELECTED COUNTRIES, 1961-1987

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News-print	Total	
				U.S.$000 000				
A. Canada								
1961	39	343	366	35	332	730	764	1 535
1965	50	458	490	70	459	809	866	1 935
1970	71	614	650	77	753	1 065	1 192	2 743
1975	58	933	961	94	1 789	1 714	1 980	4 881
1980	172	2 793	2 884	274	3 311	3 143	3 883	10 523
1981	162	2 471	2 553	255	3 186	3 608	4 272	10 428
1982	175	2 311	2 378	251	2 622	3 309	3 975	9 401
1983	222	3 169	3 238	301	2 481	3 250	3 998	10 240
1984	268	3 232	3 306	349	3 019	3 695	4 577	11 519
1985	207	3 316	3 381	355	2 484	3 958	4 794	11 221
1986	268	3 505	3 584	328	2 932	4 079	5 029	12 140
1987	342	4 344	4 449	363	4 128	4 547	5 814	15 095
B. United States								
1961	55	62	84	10	159	23	212	521
1965	127	94	120	23	190	11	317	777
1970	407	162	194	42	464	19	515	1 621
1975	871	342	413	222	897	52	1 101	3 504
1980	2 007	778	1 054	284	1 629	86	2 017	6 990
1981	1 585	653	926	349	1 656	140	2 013	6 528
1982	1 528	576	805	251	1 408	143	1 714	5 706
1983	1 372	596	898	311	1 351	127	1 719	5 651
1984	1 374	530	835	236	1 483	114	1 813	5 742
1985	1 451	493	754	228	1 343	131	1 559	5 335
1986	1 420	640	987	330	1 650	195	1 899	6 286
1987	1 851	851	1 349	442	2 309	210	2 219	8 170
C. World								
1961	669	1 344	1 608	407	1 205	1 001	2 088	5 977
1965	926	1 701	2 045	686	1 598	1 125	2 689	7 944
1970	1 897	2 108	2 688	1 146	2 498	1 493	4 336	12 565
1975	3 726	3 839	4 975	2 273	5 344	2 729	9 492	25 811
1980	8 763	9 087	12 344	5 161	9 543	5 293	20 047	55 858
1981	6 647	7 681	10 260	4 922	9 279	5 868	20 044	51 152
1982	6 279	7 007	9 402	4 327	7 773	5 282	18 732	46 512
1983	5 891	8 044	10 837	4 653	7 698	5 062	18 525	47 604
1984	5 403	7 984	10 611	4 514	9 065	5 582	20 721	50 313
1985	5 479	7 716	10 117	4 505	7 835	6 040	21 605	49 542
1986	5 870	8 642	11 630	5 438	9 151	6 614	25 859	57 947
1987	7 332	10 096	13 982	7 129	12 204	7 619	32 462	73 109

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 14. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND SELECTED COUNTRIES, 1961-1987

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard		Total forest products
		Softwood lumber	Total			News-print	Total	
				U.S.$000 000				
A. Canada								
1961	14	15	31	14	8	-	42	108
1965	27	17	36	20	12	-	51	146
1970	30	21	39	36	8	-	48	161
1975	63	70	127	143	28	-	247	607
1980	82	92	251	76	64	-	224	697
1981	84	108	255	129	67	-	321	855
1982	80	58	157	54	68	-	273	632
1983	102	99	240	95	66	-	338	841
1984	128	84	246	99	94	-	438	1 005
1985	136	82	230	100	91	-	424	980
1986	166	103	280	135	90	-	471	1 141
1987	155	105	344	157	106	-	550	1 313
B. United States								
1961	39	274	315	108	303	687	718	1 483
1965	35	318	375	192	398	790	833	1 834
1970	46	424	487	265	480	930	1 022	2 300
1975	52	834	920	334	1 037	1 457	1 614	3 957
1980	94	1 767	1 915	586	1 673	2 638	3 314	7 582
1981	97	1 699	1 851	660	1 753	2 825	3 347	7 709
1982	91	1 569	1 671	504	1 485	3 749	4 338	8 089
1983	114	2 646	2 800	853	1 485	2 817	3 734	8 987
1984	96	2 557	2 723	766	1 845	3 370	5 067	10 496
1985	80	2 772	2 942	791	1 517	3 720	5 427	10 756
1986	60	2 841	2 997	852	1 581	3 682	5 621	11 111
1987	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	6 758
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	9 062
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	14 144
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	28 827
1980	12 438	10 181	13 969	5 237	9 777	5 758	20 846	62 269
1981	8 998	8 271	11 399	5 131	9 607	6 163	21 007	56 143
1982	8 534	8 082	11 035	4 577	8 452	6 935	21 644	54 242
1983	8 016	8 702	11 749	4 736	8 076	5 563	20 081	55 658
1984	7 975	8 480	11 517	4 648	9 348	6 071	22 314	55 802
1985	7 572	8 308	11 231	4 610	8 430	6 543	23 408	55 251
1986	8 215	9 564	12 763	5 507	9 548	7 069	28 211	64 245
1987	10 572	11 229	15 739	7 226	12 736	8 066	33 816	80 090

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

SECTION X

USER'S GUIDE

- Definitions of terms
- Trade area groupings
- Reference notes

X. USER'S GUIDE

A . Definitions of terms

Age class: Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

Balance of trade: The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

Cansim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Clear-cut: An area of forest land from which all merchantable trees have recently been harvested.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

Domestic exports: Include both goods that are wholly produced in Canada and goods previously included in import statistics and which have been changed in form by further processing and then exported.

Employment, census of manufactures: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials). Administrative office and other non-manufacturing employees include all functions at head offices, sale offices and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

Employment, labour force survey: Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Even-aged: Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

Exports: Sum of domestic exports and re-exports.

Forest biomass: It is the mass of the above-ground portion of live trees; it is expressed as ovendry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

Forest land: Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested but not intended for any use; and plantations.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Growing stock: The sum (by number, basal area, or volume) of trees in a forest or a specified part of it.

Hardwood(s): Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Goods and services that are consumed in one country, Canada, for example, but produced in other countries. It includes all goods that are cleared by customs on arrival in Canada, together with goods that are held in customs warehouses. The following commodity movements are excluded from import statistics: settlers' effects; private donations and gifts; goods imported by foreign representatives in Canada or brought back by Canadians returning from postings abroad; and temporary imports for exhibition or competition, including films. Bunker supplies and ships' stores purchased by Canadian vessels or aircraft abroad, temporary imports, and goods merely in transit through Canadian territory are not reflected in any of the statistics.

Indirect taxes: Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditures.

Inventory (forest): A survey of a forest area to determine such data as area condition, timber, volume and species, for specific purposes such as planning, purchase, evaluation, management or harvesting.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable (includes overmature trees and stands if an overmature class has not been recognized).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that, by law or policy, is available for the harvesting of forest crops.

Overmature: Trees or stands of trees past the mature stage. Openings in canopy as a result of mortality are becoming apparent.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

Production: The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

Production and related workers: See Employment, census of manufactures.

Productive (land): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Re-exports: Include only goods previously included in import statistics and which are exported from Canada in the same form as when imported. Minor operations such as sorting or blending are not considered as changing the condition of imported goods.

Reforestation: The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees." (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.

Regeneration: The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

Reserved (land): Forest land that, by law or policy, is not available for the harvesting of forest crops.

Roundwood: Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round."

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severence pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Sash: A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

Seedling: A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semichemical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Silviculture: The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

Softwood(s): Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

Stocked forest land: Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - to benefit the consumer from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Uneven-aged: Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

Unproductive: Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within a forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

Valued added, total activity: Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particle board composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.

B. Trade area groupings

This is a selection of trade area groupings used in this publication.

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

Central America[a]: Bahamas, Bermuda[b], Barbados, Belize, Commonwealth of Dominica[c], Costa Rica, Cuba, Dominican Republic, El Salvador, French West Indies[b], Guadeloupe[c], Guatemala, Haiti, Honduras, Jamaica, Leeward and Windward Islands[b], Martinique, Netherlands, Antilles, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, United States Virgin Islands[b].

China, People's Republic: China, Mongolia, and Taiwan.

European Economic Community (EEC): Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece[d], Ireland, Italy, Netherlands, Portugal[d], Spain[d], and United Kingdom.

Middle East - African part: Arab Republic of Egypt, Ethiopia, Libya, Somalia, and Sudan.

Middle East - Asian part: Bahrain, Cyprus, Emirates (United Arab), Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman (Muscat), Qatar, Kingdom of Saudi Arabia, Syria, Turkey, Yemen South, and Yemen North.

Other Eastern Europe[a]: Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, and Romania.

Other Western Europe: Austria, Gibraltar, Iceland, Malta, Switzerland, and Yugoslavia[a].

South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela.

Southeast Asia: Indonesia, Malaysia, Philippines, Singapore, and Thailand.

[a]To facilitate the comparison with certain studies published by FAO, Mexico is assigned to Central America instead of North America, Yugoslavia is assigned to Western Europe instead of Eastern Europe, and USSR is shown outside Europe instead of in Eastern Europe as coded in Statistics Canada publications.
[b]Country names coded only in Statistics Canada publications.
[c]Country names coded only in FAO publications.
[d]Greece joined the EEC on January 1, 1981, and Portugal and Spain on January 1, 1986.

C. Reference notes

Shipments of roundwood in British Columbia

Beginning in 1980, the operations of "log supply divisions" in the British Columbia coastal region are treated as merchandising activity rather than logging activity. This change has been implemented to eliminate sizeable duplications in logging inputs and shipments. Involved are four establishments (in some of the earlier years there were five establishments). The "log supply divisions" are administrative units that control the distribution of roundwood and wood chips, from each firms' own logging establishments plus outside purchases and some contractor production, to their wood-using mills. Under the procedure used prior to 1980 the shipments by logging establishments to log supply establishments were duplicated by the shipments from the "log supply divisions" to the wood-using mills although in effect they were only book transfers. The revised figures for 1970-1979 eliminate this duplication.

Discrepancies between production and shipments of roundwood figures

Several reasons can be given to explain the inconsistency between production and shipments figures:

1. Inventories fluctuations.

2. Measurement methods vary from province to province. Some firms use methods recommended by provincial governments, but these methods do not always conform to Statistics Canada requirements. Therefore, Statistics Canada must develop its own conversion factors so that it can use the data for analyses and comparisons.

3. Production data are estimates of all logging operations (we arrived at these estimates using information obtained from the provinces and from Statistics Canada), while shipments comprise only quantities declared by firms whose primary activity is logging. Shipments made by small businesses, whose operations are reported in terms of dollar values, and those made by firms to their subsidiaries as part of a vertical integration, are not taken into account. Each of these factors is responsible for lowering the figures by approximately 10 to 15%.

4. Some small businesses have such low production that they are not included in Statistics Canada surveys.